AUTHOR INDEX

A

Aagard, D. A., 675
Aamand, J. L., 244
Aaronson, S. A., 462, 467, 471, 472, 522, 831, 866, 876-78, 880, 882
Abbas, S. A., 86
Abbotts, J., 690
Abe, Y., 600
Abeijon, C., 133
Abelson, H. T., 389
Abelson, J., 226, 243, 244, 716, 736, 742, 766
Abler, A. S., 107
Abraham, I., 398, 400, 409
Abraham, J. A., 517, 518, 520, 521, 527, 532
Abraham, S., 468
Abrahams, J. P., 278, 279
Ackerman, S., 180
Ackers, G. K., 663
Acsadi, G., 197
Adachi, T., 716, 736, 742, 743
Adam, M. A., 200
Adam, S. A., 221, 237, 239, 240, 290, 294, 296, 300, 305
Adamczewski, J., 330-32, 337
Adamczewski, J. P., 634
Adams, E. C., 324
Adams, G. E., 810
Adams, J. M., 462
Adams, L., 554
Adams, P., 472
Adams, S. P., 133
Adamyants, K. S., 94
Adari, H., 865, 869, 870
Addison, C., 636, 640
Adelaide, J., 471
Adelstein, E., 95
Adelt, G., 71
ADHYA, S., 749-95; 752, 753, 760, 761, 765, 768, 769, 780, 782, 788, 893, 894, 896, 906, 918
Adhya, S. L., 893, 911, 914
Adler, V., 883
Admasu, A. S., 488
Admon, A., 175
Adolf, G., 245
Adolph, S., 32
Adrian, G. S., 207
Adrian, M., 771
Advani, S. H., 638
Aebersold, P., 193, 203
Aebersold, R., 113, 116
Aebersold, R. H., 116
Aebi, M., 244
Aebi, U., 221, 223, 229, 326, 334
Agard, D. A., 220, 223, 356, 675, 676
Agarwal, S., 197, 198
Agbyani, J. R., 411
Aggeler, R., 493, 494, 505, 506
Agostini, E., 844
Agostoni-Carbone, M. L., 297
Agresti, M., 404, 407
Aguirre, J., 816
Agutter, P. S., 220, 221
Ahearn, J. M. Jr., 182
Ahmad, S., 409
Ahmed, S. A., 21, 668
Ahn, B., 816, 817
Ahn, J. A., 472
Ahn, M. H., 168
Ahne, A., 607
Ahne, F., 594, 600
Ahuja, H., 638
Aiba, H., 758, 760, 761, 763, 767, 768, 770, 774, 780, 781
Aigle, M., 297
Aihara, M., 397
Aihara, Y., 397
Ainley, W. M., 615
Akey, C. W., 221-23, 229
Akil, H., 353, 374
Akin, D., 222
Akins, R. A., 590, 608, 609
Akita, R. W., 517, 518, 522
Akiyama, S.-i., 386, 387, 389, 408, 414, 416
Akiyama, T., 632
Akiyama, Y., 369
Akke, M., 147
Akrigg, A., 199
Aksentijevich, I., 418
Albanesi, J. P., 440
Albans, W. A., 647
Alber, T., 139-42, 655
Alberghina, L., 297
Albers, M. W., 350, 374
Albersheim, P., 76
Albert, I., 526, 528, 529, 531, 532
Alberts, B., 688
Alberts, B. M., 688, 689, 696, 710
Albertsen, H., 646
Albrechtsen, B., 916
Albright, C., 342
Albright, C. F., 880
Alcade, J., 339
Aldrich, J. E., 810, 812
Aldrich, T. H., 469, 836, 839, 855, 865, 868
Aldwin, L., 408
Alema, S., 844
Alessi, D., 914, 915
Aletta, J. M., 842
Alexander, P., 800
Alexander, S., 69, 89
Alexander, S. P., 446
Alfano, C., 361
Alifano, P., 904, 905
Alitalo, K., 882, 883
Allan, M., 860
Allan, V. J., 339
Allen, D., 689
Allen, D. J., 708
Allen, F. S., 263
Allen, J. L., 221, 223, 229, 462
Allen, N. S., 432
Allen, R. D., 432
Allfrey, V. G., 290, 297, 298
Allison, L. A., 182, 895
Allsop, C. B., 800, 801, 810
Almassy, R. J., 816
Almo, S. C., 867
Alon, N., 390, 394, 414
Aloni, Y., 902
Alonso, A., 298
Altin, J. G., 825, 835, 843
Altman, A., 108
Altman, E., 350, 351, 360
Altman, S., 256, 259
Alton, A. K., 518
Altona, C., 271, 272, 274, 275
Alvarado, E., 94
Alvarez, J. C., 575
Alvarez, M., 409
Alzari, P. M., 294, 296, 546
Amaldi, F., 46, 47
Amalric, F., 226, 304
Amano, J., 88
Amano, N., 268
Amano, T., 843
Amati, B. B., 56, 57, 225
Amberg, D. C., 244
Ambinder, R. F., 43
Ambrosio, L., 456
Ambudkar, S. V., 395, 411, 417
Ames, B. A., 798
Ames, G. F.-L., 393, 411
Amherdt, M., 332, 337
Amici, A., 810, 812, 813, 816
Amiguet, P., 500
Amin, M., 640
Amir-Shapira, D., 351
Ammerer, G., 245
Amos, L. A., 433, 443
Amouyal, M., 768, 771
Ampe, C., 304
Amrein, H., 297, 316
Amster-Choder, O., 907, 908
Amthauer, R., 127-29, 132
Anachkova, B., 45, 47

Anand, N. N., 687
Anand, R., 93, 94, 123
Anantharam, V., 395
Anbar, M., 803
Andersen, J., 266
Andersen, L. B., 873
Andersen, S. S. L., 508
Anderson, C.-G., 197
Anderson, C. W., 184, 374, 636
Anderson, D. E., 140, 149, 193, 458, 459, 468, 526, 830, 870, 879, 880
Anderson, D. J., 843
Anderson, D. M., 468, 525, 529, 536
Anderson, D. R., 75, 104, 113
Anderson, J. N., 50
Anderson, K. S., 690, 693, 695, 699, 709
Anderson, L. B., 645
Anderson, M. E., 36, 412
Anderson, P. J., 115
Anderson, P. S., 545, 556, 574, 866
Anderson, R. G. W., 135, 330
Anderson, S., 355
Anderson, W. B., 409
ANDERSON, W. F., 191-217; 162, 170, 182, 192, 193, 195-97, 199, 200, 206, 207, 210, 212
Andersson, B., 222
Andersson, L. C., 108
Ando, H., 646
Ando, S., 877
Andreassen, P. R., 103, 115
Andreeva, N. S., 545
Andreis, K., 690, 709
Andres, D. A., 863
Andres, R. Y., 837
Andrews, D., 735
Andrews, N. W., 124, 133
Andria, G., 355
Androphy, E. J., 40
Anfinsen, C. B., 355
Ang, D., 225, 243, 350, 351, 357, 360, 361
Angel, A.-S., 74, 81, 82
Angeletti, R. H., 825
Angeli, G., 298, 310
Angier, R. B., 8
Angres, B., 338
Anklesaria, P., 527, 528, 532
Anraku, Y., 597, 599, 613
Anselme, J., 717
Anselmet, A., 128
Anson, D. S., 192, 193
Ansorge, W., 305, 306
Antao, V. P., 278
Anthamatten, D., 784
Anthony-Cahill, S. J., 507
Antonny, B., 868
Antony, C., 431, 443
Anumula, K. R., 70, 81, 94
Anziano, P. Q., 595
Aoyama, A., 165
Apostolakos, P., 328
App, H., 466, 842
Appel, B., 306
Appella, E., 640
Aquino, A., 409
Arai, N., 170
Arakawa, M., 69
Araki, E., 465, 466
Araki, T., 75
Arata, Y., 73
Araujo, D., 624
Arceci, R. J., 390, 397-99, 410
Arden, S. R., 332
Arenstorf, H. P., 295
Argos, P., 207
Arias, I. M., 390, 410
Arias, J. A., 180, 183, 184
Ariga, H., 48
Arigoni, F., 784
Ariniello, P. D., 110
Aris, J. P., 226, 229
Armano, T., 853
Armentano, D., 200
Armour, J., 632
Armstrong, J., 327, 339
Armstrong, R. C., 470, 825, 835, 844
Arnberg, A. C., 590
Arndt, K. M., 167, 902, 903
Arndt, K. T., 225, 361
Arndt-Jovin, D. J., 55
Arnold, W., 784
Arnott, S., 276
Aronovitch, J., 814
Aronson, D. B., 162, 182, 183
Arrowsmith, R. J., 570
Arsenault, A. L., 395
Artavanis-Tsakonas, S., 518, 519
Arthur, A. K., 34
Artz, W., 781
Artzt, K., 372
Arumae, U., 840
Arya, S. K., 920
Asai, D. J., 443, 444
Asano, M., 42
Ashby, M. N., 863
Ashford, A. J., 508
Ashford, V. A., 112
Ashmun, R. A., 468, 524, 525, 533, 534
Ashorn, P., 556, 569
Asmus, K.-D., 810
Aso, T., 172
Assens, C., 306
Astaldi-Ricotti, G. C. B., 295
Aszalos, A., 413, 416
Atchison, M. L., 169
Atchison, W. A., 228
Atencio, D. P., 225, 350, 361
Atkinson, B., 840, 841
Atkinson, B. L., 896
Atkinson, P. H., 75
Atkinson, T., 717
Atmadja, J., 267
Atsumi, S., 391
Attardi, G., 329
Auborn, K. J., 40
Aubrey, M., 602
Aubry, M., 104
AufDerMauer, A., 368
Auger, K. R., 104, 454, 458
Augustin, S., 605
Aune, K. C., 655, 656
Auron, P. E., 265
Aust, S. D., 803, 804
Austin, J., 518
Autero, M., 108
Avron, B., 147
Avruch, J., 883
Awaya, J., 73
Axelrod, J. H., 193
Ayala, P., 394
Ayer-Lelievre, C., 839, 840
Azizkhan, J. C., 169, 520
Azuma, Y., 395, 414
Azzaria, M., 405, 417
Azzi, A., 493

B

Baas, F., 390, 399, 401
Baas, P. W., 431
Baase, W. A., 140, 142, 143, 146-48, 154, 263, 659, 669, 670, 674, 677
Babicky, A., 800
Babitzke, P., 904
Bacallao, R., 342, 431
Bach, M., 290
Bächi, T., 497, 501
Bachmann, M., 222, 223, 243, 394
Bachofen, R., 497-99
Bacic, A., 77, 93
Backer, J. M., 363, 465, 466
Bacus, S. S., 463, 517, 518, 522, 523
Badcoe, I. G., 367
Bader, M., 301
Bader, S. A., 624
Baek, K. H., 902
Baenziger, J. U., 71, 73, 94
Baer, L. M., 272
Baeuerle, P. A., 220, 221, 245
Baeuerlein, E., 508
Bag, J., 290
Baga, M., 779
Bagchi, S., 634
Bagga, D., 786
Bahl, O. P., 94
Bahner, I., 192, 193

Bahri, S. M., 103, 108, 110, 114
Baichwal, V. R., 883
Bailer, S. M., 334
Bailey, C. A., 128, 646
Bailleul, B., 860
Bailly, E., 331, 332
Bain, E. S., 920
Bain, J. D., 507
Baird, A., 471, 517, 525, 532, 536
Bak, M., 401
Baker, B. S., 297
Baker, D., 675, 676
Baker, E., 391
Baker, J. R. Jr., 192, 193
Baker, S. J., 638, 641, 642
Baker, S. L., 535
Baker, T. A., 30, 31, 688, 689, 710
Bakken, A. H., 290
Balasubramanian, D., 810, 811, 813
Balch, W. E., 331-33, 338
Baldari, C. T., 46
Baldini, G., 507
Baldwin, A. N., 829
Baldwin, E., 546, 547, 549
Baldwin, J. M., 498
Baldwin, R. L., 150, 355, 655, 656, 659-61, 665, 666, 673, 679
Baldwin, S., 489
Baldwin, T. O., 779
Baler, R., 363
Ball, E. E., 295
Ballerini, P., 638
Ballester, R., 870, 872, 881
Ballou, C. E., 94
Ballou, L., 94
Balmain, A., 860
Baltimore, D., 167, 168, 183, 192, 197, 199, 245, 356, 458
Baltrucki, L., 211
Bandara, L. R., 634
Bandtlow, C., 838, 839
Bandziulis, R. J., 290, 300, 301, 303, 305
Banerjee, A. R., 263
Banerjee, P., 842
Banerjee, S. P., 825
Bangs, J. D., 124-26, 133
Bank, A., 199
Bankaitis, V. A., 350, 359, 753
Banker, G. A., 431, 441
Banks, F., 244
Bannerji, R., 208
Bannwarth, W., 109, 111
Banroques, J., 593, 595, 597, 613
Banuett, F., 914
Barabino, S. M. L., 223, 306
Barbacid, M., 459, 469, 470, 827, 831, 832, 834, 836, 839-42, 852, 865, 876
Barbany, G., 834
Barber, A. M., 763, 765
Barber, C., 784
Barbero, G. J., 95
Barbier, C. S., 782
Barbosa, J. A., 197
Barcelo, G., 226, 237, 242
Barclay, A. N., 103, 108
Barde, Y.-A., 825, 836
Bardelli, A., 469
Bardwell, J. C. A., 225
Bar-Eli, M., 638
Barettino, D., 166
Bargman, C. I., 865
Bargonetti, J., 630, 641, 642
Barik, S., 910, 914, 919
Baril, E. F., 52, 733
Barker, D. G., 717
Barker, P. A., 830
Barker, P. E., 525
Barker, R., 272
Barker, W. C., 524
Barlat, I., 871
Barmat, L., 668
Barnard, F. C., 239
Barnea, G., 116
Barnes, G., 241
Barnes, M., 247
Barnes, W. M., 766
Barnett, B. L., 147
Barnett, S. F., 295, 308, 310
Baron, C., 720
Baron, J., 919
Baron, L. S., 911, 914-16
Baron, M., 518, 519
Barr, J. R., 70, 81
Barr, P. J., 532
Barraclough, R., 350, 352
Barrandon, Y., 193, 519
Barranger, J. A., 192, 193
Barrett, J. C., 624
Barrett, J. T., 391
Barron, E. S. G., 812
Barry, J., 688
Bar-Sagi, D., 843, 868
Barstow, D. A., 717
Bartek, J., 638, 641
Bartel, D. P., 260
Bartholomew, B., 183
Bartholomew, C., 205
Bartnik, E., 221
Bartolomei, M. S., 182
Barton, J. K., 266
Baru, M., 36
Basavappa, R., 275
Baserga, S. J., 221
Basilico, C., 38, 43, 472
Baskin, R. J., 434, 440, 443
Basler, K., 527
Bass, B. L., 588
Bassford, P. J., 350, 359, 753
Bassi, M. T., 294, 295
Bassler, B., 89
Bastien, L., 103, 104, 114
Basu, T. N., 873
Bataillé, N., 222
Bates, B., 471
Bates, S. E., 397, 399, 409
Batey, R. T., 272
Batut, J., 784
Batzer, A. G., 462, 880
Baudhuin, P., 330
Baudin, F., 265, 266
Baudras, A., 759, 762, 763, 769
Bauer, C. L., 779
Bauer, G., 124, 134
Bauer, R., 71
Baughman, G., 894
Baulieu, E. E., 350, 374
Baum, J., 655, 656
Bauman, R. P., 199
Baumann, M. R., 911, 914
Baumann, P. H., 55
Baumeister, W., 350, 352, 367, 368, 371, 372
Baur, C.-P., 33, 36
Bautz, E. K. F., 298, 895, 896
Bax, A., 79, 271, 273-75
Bayard, B., 72
Bayley, H., 483, 485-87, 491, 493, 503
Bazan, J. F., 106, 111
Bazzo, R., 75
Beach, D., 106, 334, 636
Beacham, I. R., 753, 779
Beahm, P. H., 103
Bean, M. F., 85
Bear, D. G., 893, 896, 899, 904
Beasty, A. M., 659, 668, 677
Beatt, K. J., 196
Beauchamp, B. B., 688, 689
Beauchamp, R. L., 639
Beaudet, A. L., 192, 193
Beaudry, A. A., 260, 605
Beaven, M. A., 330, 333
Beavis, R. C., 82, 83
Bebenek, K., 690, 701
Becam, A. M., 593, 595, 597, 613
Bech-Hansen, N. T., 412
Beck, C., 397
Beck, P. J., 131
Beck, W. T., 386, 387, 389, 407, 408, 416
Becka, R., 675
Becker, A. J., 627
Becker, D. M., 165
Becker, G. W., 134
Beckers, C. J. M., 332, 338
Beckman, R. A., 301, 302, 314, 701
Beckman, R. P., 228
Beckmann, E., 498

Beckmann, J. S., 244
Beckmann, M. P., 526, 830
Beckmann, R. P., 350, 351, 360, 363, 376
Beckner, S. K., 871
Becktel, W. J., 140, 142, 143, 145, 146, 150, 154
Beckwith, J., 359, 752, 753, 756, 763, 764, 774, 894, 896, 906
Bednarik, D. P., 197
Bedouelle, H., 716, 719, 726, 731, 740
Beemon, K., 350, 374
Beese, L., 691, 692
Beese, L. S., 692
Begel, O., 607, 608
Begue, A., 883
Behlen, L. S., 266
Behrmann, I., 830
Beier, D. R., 517, 525, 532
Beitel, G. J., 875
Beitel, L. K., 50
Beittenmiller, H. F., 397
Bekesi, E., 854, 866-68, 875, 877
Belcour, L., 607, 608
BELFORT, M., 587-622; 588, 590, 593, 595-98, 602, 603, 611, 612, 615, 917
Bell, A., 756a, 767, 768, 770, 772, 773, 775, 780, 786
Bell, A. I., 784-86
Bell, D., 56
Bell, D. R., 397, 401
Bell, G. I., 517, 519, 532, 838
Bell, J. A., 154, 155, 157, 390, 393
Bell, J. B., 609
Bell, J. R., 465
Bell, L. R., 297, 316
Bell, S. P., 35
Bellamy, W. D., 812
Belldegrun, A., 204
Bellot, F., 463, 471-73, 519
Bell-Pedersen, D., 596, 597, 602, 612, 615
Belmont, L. D., 432
Belote, J. M., 316
Benard, J., 401
Benard, M., 32, 37, 41
Benavente, R., 221, 228
Benbow, R. M., 30, 50, 52, 53
Benchimol, S., 636, 638
Bender, H., 88
Bender, M. A., 193, 199, 200, 324, 326, 333
Bender, R. A., 779, 781
Bendiak, B., 72
Benditt, J. O., 239
Benedict, W. F., 626-28, 632
Benevente, R., 228
Bengal, E., 902
Benitez, C. J., 327, 337
Benjamin, T., 629, 630, 632
Benkovic, P. A., 689, 691, 693, 695-98, 704, 708
Benkovic, S. J., 689-93, 695, 696, 698, 704, 708, 710
Ben Neriah, Y., 389, 390, 395
Bennett, D., 372
Bennett, E. R., 34, 36, 37, 42
Bennett, M., 310
Bennett, W. S., 358, 808-10
Bennett-Cook, E. R., 36, 37
Bennua, B., 272
Bensaude, O., 363
Bentley, R., 79
Bentley, R. C., 300, 301, 905
Benton, B. M., 237
Bercovici, T., 490, 491
Berg, E. L., 535
Berg, K. L., 916
Berg, M. M., 833, 842
Berg, O. G., 763
Berg, P., 37, 315, 742
Bergantino, E., 594, 595
Bergemann, A. D., 50
Berger, A., 560
Berger, E., 327, 328, 338
Berger, E. G., 325, 327, 328, 333, 337-39
Berger, J., 127
Berger, M., 193
Berget, P. B., 667
Bergmann, J. E., 337
Bergold, P. J., 525
Bergsma, D. J., 37
Bergstrom, J. D., 863
Berk, A. J., 165-69, 171, 183, 630, 631, 642
Berkemeier, L. R., 469, 835, 836
Berkenstam, A., 166
Berkhout, B., 922
Berkner, K. L., 199, 201, 202
Berkower, C., 405
Berlett, B. S., 801, 804-6, 808, 811
Berlin, R. D., 324, 329-31
Berlot, C. M., 826-28
Berman, C., 838
Bermudez-Cruz, R. M., 901
Bernard, O., 472
Bernards, R., 627
Bernd, P., 841
Bernhard, W., 306
Bernstein, A., 193, 456, 525, 639
Bernstein, C., 617
Bernstein, H. D., 433, 617
Bernstein, J. A., 689, 710
Bernüs, J., 166
Berrez, J. M., 443
Berthet-Colominas, C., 716, 719, 722
Bertrand, M. E., 196
Bertuccioli, C., 165
Besmer, P., 517, 525, 529, 531, 533, 535, 536
Besnard, F., 168
Besner, G. E., 517, 520, 521, 532
Bessman, M. J., 704
Bestagno, M., 295
Bestagno, M. G., 294, 295
Betebenner, D. A., 574
Betermier, M., 596
Beug, H., 197, 198
Beurling, K., 275
Beutler, B., 525, 526, 532
Beutler, E., 192, 193
Bevilacqua, P. C., 264, 268
Beyer, A. L., 290, 293-95, 297, 298, 306, 309
Bezjak, D. A., 753
Bhalla, K., 386
Bhasin, R., 781
Bhat, T. N., 719, 723, 726, 730, 731, 735
Bhatnagar, S. K., 704
Bhattacharya, P., 915
Bhavanandan, V. P., 72
Biales, B., 841
Biamonti, G., 294, 295, 298, 299
Biancalana, S., 267, 304, 922
Bianco, S. M., 469, 836, 839
Bibring, T., 298, 310
Bieber, A. J., 109
Bieber, M., 79
Biedler, J. L., 386, 387, 389-91, 397, 398, 407, 413, 414, 840
Bielicki, J., 193
Bielka, H., 507
Biemann, K., 717
Bienenstock, J., 840
Bienz, B., 636
Bier, E., 517, 518, 523, 524
Bierman, A. J., 463
Biermann, C. J., 86
Bierzynski, A., 661
Bigelow, B., 914-16
Bigge, J. C., 72
Biggs, J., 895
Bigon, E., 840
Billeter, M., 657
Billich, S., 556
Billings, P. B., 290
Binart, N., 350, 374
Binetruy, B., 883
Bingham, A. H. A., 768
Binkley, S. B., 8
Birchmeier, C., 853, 874
Bird, D. M., 182
Bird, J., 518
Bird, O. D., 8
Birinyi, L. K., 193

Birky, C. W., 324, 336, 339, 341, 343
Birnbaum, D., 468, 855
Birnstiel, M. L., 197, 198, 222
Birrer, M. J., 638
Bischoff, J. R., 334, 636
Bishop, J. M., 101, 102, 104, 374, 470, 842
Bishop, L., 411
Bisson, R., 483, 493
Bitler, C. M., 829
Bittner, M., 688
Bjoern, S., 67
Bjorge, J. D., 521
Bjorkroth, B., 222
Blaas, D., 297
Blaber, M., 140, 143
Black, D. L., 290
Black, I. B., 838
Black, M. M., 431
Black, P., 220
Blackburn, E. H., 32, 37, 47, 268
Blackshear, P. J., 466
Bladon, T., 228
Blaese, R. M., 192, 193, 206
Blair, A. E., 799
Blair, D., 853
Blair, D. G., 866
Blair, L. C., 863
Blake, M. C., 169
Blanck, J., 665
Blanco, L. M., 41
Blangy, D., 37, 42
Blanquet, S., 717, 719, 723, 727, 733, 734
Blasband, A. J., 520
Blatter, E., 759, 769
Blattner, W. A., 639
Blazy, B., 759, 760, 762-64, 769
Blenis, J., 461, 470, 471, 843, 882
Blick, M., 401
Bliska, J. B., 105, 109
Blitz, I. L., 40
Blobel, G., 221-26, 228, 229, 231, 239, 241, 326, 334, 350, 351, 359, 361, 508
Block, A. M., 401
Block, M. R., 338
Block, S. M., 432, 437, 438
Bloemers, S. M., 38, 39, 41
Blomberg, M. A., 67
Blomquist, M. C., 524
Blomstrom, D., 545
Blond, S., 355, 679
Bloom, E. E., 8
Bloom, G. S., 433, 434, 438-40
Blow, D. M., 716, 719, 723, 726, 728, 730-32, 735
Blow, J. J., 53, 55, 57, 246, 327
Blum, A., 221, 228, 326
Blumberg, H., 361
Blumberg, P. M., 882
Blumenthal, A. B., 54
Blundell, T. L., 464, 545, 546, 825, 832, 834, 835
Bo, X., 728
Boarato, E., 840
Bobrowski, K., 810
Boccon-Gibod, L., 401
Bochkareva, E. S., 350, 352, 366, 367, 370, 376, 507
Böck, A., 720
Bode, J., 56
Bodine, D. M., 193, 210, 396, 418
Bodmer, J., 646
Bodmer, W. F., 646
Bodnar, J. W., 57
Bodwell, J. E., 248
Boeglin, M., 276, 716, 718, 719, 722, 723, 736
Boegnmann, E., 632
Boeke, J. D., 601
Boekelheide, K., 443
Boelens, R., 79, 270
Boelens, W., 300, 301
Boffa, L. C., 290, 297, 298
Bogenmann, E., 833
Bogenshutz, M. P., 394
Boguski, M., 870, 872
Boguta, G., 811
Bohan, C. A., 921, 922
Bohnlein, E., 197
Bohnlein, S., 197
Boisclair, I., 342
Boistard, P., 784
Bole, D. G., 350
Bolen, J. B., 878
Bolger, G., 881
Bolin, I., 105
Bollag, G., 460, 645, 865, 872-74, 899
Bollum, F. J., 316
Bolo, N., 269
Bolzau, E. M., 350, 351, 362
Boman, A. L., 337, 338
Boman, H. G., 359
Bomsel, M., 440
Bon, C., 489, 490
Bon, S., 128
Bonay, P., 339
Bond, L. M., 192, 193
Bond, M. W., 162, 169
Bone, R., 545, 574
Bonen, L., 590, 593-96, 598, 600
Bongarzone, I., 831
Bonifacino, J., 351, 362
Boni-Schnetzler, M., 465
Bonitz, S. G., 593, 595, 600, 615
Bonner, J., 162
Bonner, W. M., 220
Booher, R. N., 106, 111
Booker, G. W., 458
Bookman, M. A., 878
Bookstein, R., 627, 629, 632, 640
Boosalis, M. S., 687
Booth, C., 326, 336
Boothe, J. H., 8
Boothroyd, J. C., 128
Boquet, P., 500
Borasio, G. D., 842
Borchelt, D. R., 128
Borer, P. N., 262
Borer, R. A., 222, 226, 242, 307
Borgford, T. J., 733
Borgias, B. A., 270
Boris-Lawrie, K. A., 921, 922
Borowiec, J. A., 33, 36, 37, 40
Borst, P., 128, 388-91, 393, 394
Bortner, C., 689
Bortner, D. M., 870
Borukhov, S., 895, 896, 903, 904
Borzillo, G. V., 528, 529, 531
Bos, J. L., 852, 871
Bosabalidis, A. M., 328
Boscoboinik, D., 395, 413
Bosenberg, M. W., 531, 532, 534-36
Bosher, J., 39, 41
Bossie, M. A., 220, 226, 237, 242
Botchan, M., 32, 34
Botchan, M. R., 34, 38-40
Botchan, P. M., 47
Boteva, R., 350, 352, 365, 376
Both, G. W., 770
Bothwell, M., 469, 470, 824, 825, 827, 830, 838-40
Bothwell, M. A., 826, 839
Botsford, J. L., 753, 775
Botstein, D., 227, 247, 336, 342
Bott, R., 572, 573
Bottari, S. P., 116
Bottaro, D. P., 467, 472, 878-80, 882
Botterill, V., 386, 387
Bottorff, D. A., 608
Boublik, M., 266
Boucher, R. C., 408, 411, 417
Boulanger, J., 592, 593, 597, 598
Boulanger, S. C., 591
Boulet, A., 592, 607
Bouloc, P., 753
Boulton, T. G., 470, 842
Bourhis, J., 401
Bourne, H. P., 460, 461
Bourne, H. R., 331, 852, 866
Bourne, J. R., 332
Bouvier, S. E., 140, 141

Bovey, R., 642
Bovie, C., 597
Bowman, R. L., 196
Bowne, D. B., 114
Bowtell, D. D. L., 456, 462, 854, 875
Boxer, S. G., 272
Boyce, F. M., 196
Boyd, A. W., 474
Boyd, L. F., 825, 838
Boyd, N. D., 489, 504
Boyer, H., 192
Boyer, J., 596, 615
Boyer, T. G., 166, 167, 169, 171
Boylan, D., 870
Boylan, S. A., 781
Boy-Marcotte, E., 875
Boyse, E. A., 103, 108
Bozzoni, I., 46
Braakman, I., 356
Braaten, B. A., 779
Bracco, L., 770
Brachmann, R., 527, 528, 531
Bracker, C. E., 328
Bradbury, E. M., 765
Bradley, G., 389, 390, 397, 398
Bradley, J. G., 518, 520, 521, 532
Bradley, M. K., 33, 353
Bradley, P., 231
Bradley, S. M., 865
BRADSHAW, R. A., 823-50; 825-28, 832, 835, 837, 838, 842-44
Bradshaw-Rouse, J., 872, 881
Bradsher, J. N., 171-75, 178, 182, 183
Brady, C., 904, 906
Brady, J. N., 860, 921, 922
Brady, R. O., 192
Brady, S. F., 545
Brady, S. T., 433, 434, 438, 440
Braell, W. A., 333
Brain, R., 640
Brake, A., 532
Brakebusch, C., 535, 537
Brambilla, R., 462, 875
Bramhall, J. S., 500
Branan, C. I., 529
Brand, N. J., 733
Branden, C., 723
Branden, C.-I., 724
Brandenberg, D., 465
Brandon, L. D., 592
Brandt, J. T., 329, 340
Brandt, S. J., 193, 396, 418
Brandyopadhyay, P. K., 199
Brantly, M. L., 192, 193
Bratthauer, G. L., 196
Braughler, J. M., 803, 804
Braunstein, A. E., 16
Brautigan, D. L., 114, 466, 842
Bravo, R., 295
Brazas, E., 908
Brazhnikov, E. V., 661, 664
Breakfield, O., 199
Breathnach, R., 162, 472
Breeuwer, M., 221, 239
Breeze, A. L., 458
Breg, J., 94
Breimer, M. E., 79
Bremer, E., 779, 780, 783
Bremer, K. A., 518
Bremer, S., 397
Brennan, C. A., 905, 906
Brenner, M., 168
Brenner, M. K., 205
Brennicke, A., 591, 600
Brent, R., 234, 235
Brereton, A., 873
Breslauer, K. J., 262
Breslow, R., 489
Bresnick, E. H., 350, 374
Bressac, B., 638
Breton, R., 717
Bretscher, A., 104
Brewer, B. J., 30, 32, 46
Brewer, F., 412
Brewer, M. T., 535
Breyer, J. A., 519
Briand, P., 199
Briat, J.-F., 899
Brice, M., 55
Brick, P., 690, 691, 704, 726, 730-32, 735
Bridges, J. M., 55
Brierley, I., 768
Briggs, M. S., 661
Brill, S., 870, 876
Brimacombe, R., 267
Bringman, T. S., 520, 521, 534
Bringmann, P., 306
Brink, L., 127-29
Brinkley, B. R., 327
Brinster, R. L., 197, 520, 630
Britten, R. J., 53
Broach, J. R., 224, 462, 854, 874
Broadhurst, A. V., 555, 558
Brockbank, R. L., 75
Brockhaus, M., 526, 531, 535, 830
Brockhausen, I., 67
Brockman, J. A., 4
Brodbeck, U., 134
Broder, S., 544, 690
Brodeur, G. M., 624
Brodie, S. E., 329, 340
Broek, D., 853, 864, 874
Broka, C., 687
Bron, C., 130, 132, 134
Brook, J. D., 199, 212
Brooks, D. A., 95
Brooks, P. C., 599
Broolie, C., 840
Broom, A. D., 273
Brosius, J., 258
Brot, N., 351
Brou, C., 183
Broudy, V. C., 517, 525
Broughler, J. M., 803, 804
Brown, A., 704
Brown, D. A., 135
Brown, E. H., 47
Brown, G. M., 12
Brown, J. P., 518, 524, 788
Brown, J. W., 259
Brown, K., 525, 860
Brown, M. S., 330, 640, 863
Brown, P. A., 330, 331
Brown, R. A., 8, 855, 860
Brown, R. S., 276
Brown, T. A., 258, 598, 687
Brownlee, G. G., 519
Brownshimer, S., 103
Broxterman, H. J., 397, 412
Broyles, S. S., 103, 105
Broz, S. D., 860
Bruce, J., 72
Bruckner, R. C., 34
Bruder, J. T., 882
Brugge, J. S., 374, 461, 470, 471, 843, 844, 879, 882
Bruggemann, E., 389, 397, 408, 415
Bruggemann, E. P., 393, 397, 404, 407, 408, 415, 416, 490
Bruice, T. C., 280
Brun, F., 735
Brunel, C., 281, 297, 742
Brunel, F., 294, 296
Brunelle, A., 778
Brunger, A., 867
Brünger, A. T., 269, 275, 276, 278, 280
Bruni, A., 840
Bruni, C. B., 904, 905
Brunie, S., 716, 718, 719, 723, 726, 727, 733-35, 738, 740
BRUNNER, J., 483-514; 483, 487, 488, 491, 493-98, 500-2, 504, 505, 507
Brunner, M., 337
Bruny, A., 350, 374
Bruskin, A., 103, 641, 642
Brutlag, D., 702-4
Bruton, C. J., 717
Bryan, W. M., 555, 556
Bryant, F. R., 689
Bryant, S., 469, 836
Bryk, M., 596, 612
BUC, H., 749-95; 756a, 762-72, 774, 779, 780, 893, 896
Buchardt, O., 494, 508
Buchberg, A. M., 645
Bucher, J. R., 803, 804

Buchkovich, K., 634
Buchkovich, K. J., 631
Buchman, A. R., 50
Buchner, J., 350, 352, 353, 366, 367, 371, 375
Buchner, M., 20
Buchschacher, G. L. Jr., 197, 199
Buck, C. R., 469, 826, 838
Buck, J., 517, 525, 529, 532, 533
Buckbinder, L., 168
Buckland, R., 773
Buckle, M., 765, 771
Buckler, A. J., 644
Buckler-White, A., 922
Buckmire, M., 54
Bucx, J. J. J., 196
Budding, M., 394
Buehner, M., 112
Buerkler, J., 495
Buermeyer, A. B., 182
Buhle, E. L. Jr., 221, 228
Buhle, L., 326
Buhler, J. M., 183
Buick, R. N., 397, 401
Bujard, H., 351, 363, 766, 772, 781, 897
Bukau, B., 351, 363, 378
Bulleid, N. J., 665, 667, 677
Bullock, M. W., 4
Bullock, P. A., 31, 33, 36, 37
Bunick, D., 180
Buonaguro, L., 921, 922
Buongiorno-Nardelli, M., 46, 47, 49
Buratowski, S., 163, 165, 167, 169, 170, 172, 175, 177-80, 182, 183
Burbaum, J. J., 716, 723, 726, 727
Burchard, A. C., 303
BURD, C. G., 289-321; 294, 295, 303
Bures, M. G., 576, 577
Burfeind, W. R., 588
Burger, G., 598
Burger, M. M., 496
Burgering, B. M. T., 880
Burgess, A. W., 518
Burgess, R. R., 162, 177, 182, 183, 895, 906
Burgess, W. H., 471, 473
Burglin, T. R., 221, 237
Burgoon, M. P., 110
Burhans, W. C., 43, 45, 47-49, 52, 54, 55
Burke, B., 220, 223, 324, 326, 327, 330, 331, 333, 334, 338
Burke, J. M., 260, 588, 590, 594
Burkhart, R., 247
Burlingame, A. L., 81, 85, 86
Burrow, C. R., 34, 38, 39
Burstein, D. E., 843
Burton, L. E., 517
Burton, N., 183
Burton, P. R., 431
Burton, Z. F., 170, 172, 177, 178
BUSBY, S., 749-95; 756a, 762, 763, 765-70, 773-75, 779, 780, 786, 893, 896
Busby, S. J. W., 784-86
Busch, H., 306
Busche, R., 397, 407, 414
Buschle, M., 205
Buschman, E., 390, 406, 410
Buse, J. B., 464
Bush, C. A., 85
Buss, J. E., 862-64
Bussey, H. J. R., 646
Bustelo, X. R., 459, 876
Buster, D., 433
Butcher, E. C., 535
Butel, J. S., 236, 237
Butikofer, P., 134
Butler, G., 246
Butler, J. A., 454
Butler, T. M., 115
Butow, R. A., 593, 595-98, 602, 613, 615
Butters, T. D., 89-91
Buttimore, C., 199
Buvat, R., 328
Buvoli, M., 294, 295, 299
Buxbaum, J. D., 535
Buxbaum, L. U., 122, 133
Buxser, S., 825, 826, 828, 835
BUXSER, S. E., 823-50; 826-28, 840
Bychkova, V. E., 661, 664
Bycroft, M., 147, 150, 660, 661, 669, 673
Byers, B., 227, 327, 339
Byers, M. R., 839, 840
Byrne, J. C., 632
Bystroff, C., 666

C

Cabezas, I. A., 88
Caddle, M. S., 45, 48, 50, 54, 55
Cadena, D. L., 182, 183
Cadieux, C., 660, 675
Cadman, E., 272
Cadwallader, K., 863
Caesar, J. P. Jr., 80
Cagan, R. L., 527, 528, 530
Cahill, D. A., 465, 466
Cahill, T., 199
Cahilly-Snyder, L., 642
Cahir, E. D., 114
Cai, H., 178, 180, 461, 470, 473, 474, 843, 882
Cai, S. X., 487, 505, 506
Caillet, J., 742
Caizergues-Ferrer, M., 226
Cajal, S. R., 327
Calayag, M. C., 393
Calciano, L. J., 656
Calder, J. M., 34
Calendar, R. L., 908
Calès, C., 870
Call, K. M., 644
Callahan, P. L., 304
Callan, H. G., 54, 290, 306, 311
Callebaut, I., 350, 374
Calleja, G. B., 342
Callen, D. F., 391
Callow, A. D., 193
Calman, A. F., 920, 921
Calnan, B. J., 267, 269, 304, 922
Calos, M., 48, 54
Calos, M. P., 54, 57
Cam, K., 918
Cameron, C. E., 554
Cameron, M. L., 328
Cameron, S., 853, 854
Camiolo, S. M., 43
Cammack, N., 577
Camonis, J., 875
Campain, J., 398
Campbell, B. A., 37, 42
Campbell, I. D., 519
Campbell, J. L., 43, 226
Campbell, K. H. S., 55
Campisi, J., 860
Campos, A. R., 297
Campos-Gonzalez, R., 463
Campos-Ortega, J. A., 518
Campuzano, S., 469, 836
Cande, W. Z., 434, 440, 443
Cann, P., 659
Cannistraro, V. J., 265
Cannizzaro, L. A., 116
Cannon, B., 265
Cannon, S., 350, 352, 364, 365
Cano, A., 162
Cano-Gauci, D. F., 407, 410, 412
Cantley, L. C., 104, 454, 458, 465, 842
Cantor, C. R., 263, 264, 276
Cantrell, D. A., 461, 878, 879
Capaldi, R. A., 505, 506
Caplan, A., 220
Caplan, A. J., 225, 361
Capon, D. J., 855, 862, 865, 866
Caporali, R., 295
Capson, T. L., 689, 695, 697, 710
Caput, D., 517, 519, 532

Carabba, V., 841
Carafoli, E., 412, 495, 504, 505
Caras, I. W., 127, 128
Carasso, N., 328
Carbon, J., 447
Carcamo, J., 168, 169
Cardarelli, C., 386, 387, 390, 395, 414
Cardarelli, C. O., 387, 398, 404, 411, 413, 417, 418
Cardenas, M. E., 223, 225
Cardoso de Almeida, M. L., 122, 123
Carew, T. E., 817
Carey, M., 181
Carignani, G., 594, 595
Carlier, M.-F., 358
Carlomagno, M. S., 904, 905
Carlsen, S. A., 408, 414
Carlson, M., 233, 646
Carlson, W. D., 573
Carlstedt, I., 79
Carlstedt-Duke, J., 247
Carminati, J. L., 46
Carmo-Fonseca, M., 220, 221, 223, 226, 228, 231, 305, 306
Carneiro, M., 162
Carnevali, F., 47
Carney, J. M., 817
Caron de Fromental, C., 636
Carpenter, A. T. C., 441
Carpenter, C., 104, 454, 458
Carpenter, G., 463, 519
Carpita, N. C., 80
Carpousis, A. J., 897
Carr, S. A., 70, 81, 85
Carr, T. J., 545, 548, 553-56, 566, 573
Carra, J. H., 778
Carragher, B. O., 221, 223, 229
Carrasco, N., 402
Carraway, K. L., 518
Carrell, R. W., 676
Carri, M. T., 46, 49
Carroll, E. III, 290
Carroll, S. M., 49
Carroll, S. S., 689, 690, 693, 697, 708
Carter, A. N., 454, 464, 842
Carter, B. S., 638
CARTER, C. W. Jr., 715-48; 733, 735, 742
Carter, K. C., 223
Carter, P., 716, 728, 731, 740
Carter, P. J., 716, 728
Carthew, R. W., 163, 171, 172, 177, 179
Caruso, A., 855
Caruso, M., 197
Caruthers, M. H., 278, 767, 780
Carver, D. L., 914-16
Casadaban, M. J., 781
Casalbore, P., 844
Casals, D., 398
Casas-Finet, J. R., 303, 315
Case, D. A., 280
Casey, G., 624
Casey, P. J., 863, 864
Casjens, S. R., 350, 352, 364, 365
Caskey, C. T., 192, 193
Casper, J., 205
Casscells, W., 196
Cassel, D., 337
Castillo, G., 395
Catelli, M. G., 350, 374
Cattaneo, E., 840
Caudwell, F. B., 464
Cavadore, J. C., 106, 334
Cavalier-Smith, T., 611
Cavallini, B., 163, 165, 170, 177
Cavallo, F., 459, 464
Cavenee, W. K., 626, 628
Cawley, D. B., 500
Cawthon, R. M., 645, 872, 873
Cech, T. R., 256, 266-68, 588, 590, 592, 593, 604, 605, 610, 611, 613, 698, 716
Cedar, H., 37, 45, 49, 54
Cedergren, R. J., 272, 275
Celander, D. W., 267
Celis, J. E., 295
Cello, G. D., 46
Cen, H., 876
Cenciarelli, C., 397
Center, M. S., 389, 409
Centrola, M., 447
Cepko, C., 202
Cerami, A., 525, 526
Cerino, A., 295
Cerione, R. A., 462, 876
Ceriotti, A., 332, 337
Cerpa, R., 489, 504
Ceska, T. A., 498
Cha, T. A., 689, 710
Chabner, B. A., 408
Chabot, B., 525
Chabre, M., 868
Chadrasekhar, G. N., 367
Chaffotte, A. F., 660, 667, 671, 675
Chai, W., 81
Chait, B. T., 82, 83, 130
Chakrabarti, P., 491
Chakraborty, M., 411
Chakraborty, S., 632
Chalifour, L. E., 56
Chalikonda, I., 409
Challberg, M. D., 30, 34, 38, 39
Chalut, C., 171, 174
Chaly, N., 221, 228
Chamberlain, J. W., 50
Chamberlain, M., 41
Chamberlin, A. R., 507
Chamberlin, M. J., 162, 165, 173, 268, 766, 893, 895-97, 899-904, 906
Chambers, T. C., 409
Chambliss, G. H., 754
Chambon, P., 162, 163, 169-71, 174, 175, 177, 179, 183
Champion-Arnaud, P., 472
Champness, J. N., 570
Chan, B., 763, 768-70
Chan, H. S. L., 397, 401, 661
Chan, H. W., 197
Chan, J., 474
Chan, S. H. S., 85
Chandler, A. C., 556
Chandler, C. E., 827, 841
Chandler, M. S., 781
Chandrasekhar, G. N., 360
Chandrasekharappa, S. C., 37, 39
Chang, A., 192
Chang, C-P., 463
Chang, D. D., 316
Chang, E. H., 639, 854, 882
Chang, G. W., 21
Chang, H-C., 128
Chang, H.-M., 130-32, 135, 350, 374
Chang, L.-S., 169, 506
Chang, M., 525
Chang, T.-D., 414
Chang, T.-H., 244
Chang, Z., 510, 600
Changeux, J.-P., 489, 490
Chao, D., 182
Chao, M. V., 469, 470, 475, 526, 825, 827, 829, 830, 832-35, 838, 840-42
Chapdelaine, Y., 600
Chapman, G. D., 199
Chapman, K., 772, 780
Chapman, M. L., 817
Chapman, V. M., 525
Chapon, C., 763, 764, 766
Chappell, T. G., 328, 342, 358
Charbonneau, H., 102, 103, 108, 110, 112, 114
Chardin, P., 854, 868, 871, 877
Charles, C. H., 107
Chase, J. W., 314
Chase, R. L., 803, 804
Chasman, D. I., 165, 166
Chasse, J.-F., 199
Chastain, M., 257, 258, 269
Chatterjee, D., 411
Chatterjee, S., 466
Chatton, B., 853, 883
Chaudhary, P. M., 398, 409
Chaudhary, T., 82
Chaudhary, V., 397, 407
Chaudhuri, M., 466
Chauhan, S. S., 398, 400, 409
Chavez, D. P., 172

Chavrier, P., 331
Chazin, W. J., 271
Che, M., 390, 410
Chellappan, S. P., 634
Chelsky, D., 234
Chen, A. Y., 411, 416
Chen, B.-L., 659, 669, 670, 674, 677
Chen, C.-H., 922
Chen, C.-h. B., 266
Chen, C.-j., 388, 391, 395, 401, 402, 404, 408
Chen, C.-K., 838
Chen, C.-Y. A., 905, 912
Chen, D. C., 517, 525, 529, 531, 533, 534
Chen, E., 338
Chen, E. Y., 465, 517, 520, 532, 535, 855, 862
Chen, H. Y., 197, 472, 630
Chen, J., 316
Chen, J. H., 524, 532
Chen, J.-H., 278, 279, 299
Chen, K., 519
Chen, M., 34, 39
Chen, P., 863
Chen, P.-L., 627, 629, 640
Chen, S. Y., 863
Chen, W., 165
Chen, W. J., 863
Chen, W. S., 463
Chen, X., 520, 667
Chen, Y., 640. 756
Chen, Y. F., 397
Chen, Y. M., 629
Chen, Y.-N., 399
Chen, Y.-R., 636
Cheng, D. J., 517, 518, 524
Cheng, J. C., 632
Cheng, L., 36, 41, 42
Cheng, M. Y., 350, 352, 364, 365
Cheng, S. C., 901
Cheng, Y.-S., 545
Chentsov, Y. S., 326, 327, 336
Cheong, C., 269, 274-77, 687
Cherbas, L., 519
Cherbas, P., 519
Chernoff, J., 103, 107
Chernova, O. V., 390
Chernyak, V. Y., 433
Chesa, P., 839, 840
Chesa, P. G., 840
Chesnut, J. D., 183
Cheung, A., 717
Chevallier-Multon, M. C., 871
Chevion, M., 812, 814
Chi, D. Y., 267
Chia, C. M., 327
Chia, W., 103, 108, 110, 114
Chiang, A., 228, 234, 237, 242, 243, 361
Chiang, H.-L., 350, 351, 363
Chiba, I., 638
Chicas-Cruz, K., 505, 506
Chien, J.-L., 89
Chien, S.-F., 88
Childs, J. E., 863, 864
Chin, D. J., 466
Chin, J. E., 388-91, 397, 403, 408, 465, 466
Chin, K.-V., 389, 395, 396, 398-402, 409, 410, 418
Chipoulet, J. M., 165, 171, 174, 175, 179
Chirico, W. J., 350, 351, 359, 361
Chitnis, P. R., 351
Chittenden, T., 56
Cho, B. C., 525
Cho, H., 109, 111
Cho, H. J., 113
Cho, K. R., 647
Chock, P. B., 801, 804-6, 808, 811
Choe, H. R., 881
Choghade, M. S., 506
Choi, H. U., 524, 527
Choi, K., 389-91, 395, 397, 404, 407, 414
Choi, K. D., 454
Choi, Y. D., 290, 292, 294-98, 305, 307, 309, 314
Chong, W., 197
Choquet, Y., 591
Chosay, J., 554
Chothia, C., 142
Chou, M. M., 459
Chou, S.-H., 272, 275
Chow, C. S., 266
Chow, R. L., 350, 353, 372, 373
Chowdhry, V., 483, 489
Chowdhury, J. R., 192, 193
Chowdhury, N. R., 192, 193
Chretien, P., 103, 104, 114
Christeller, J. T., 350, 352, 367
Christen, B., 527
Christen, P., 10
Christensen, A., 862
Christensen, H., 355, 664
Christensen, J. H., 304
Christensen, M., 67
Christensen, M. E., 290, 293, 294, 296-98, 304
Christopher, D. A., 591, 607
Chu, F. K., 596, 597
Chu, T. Y., 517, 525, 532
Chua, N. H., 165
Chuang, P. T., 103, 110, 114
Chung, C. H., 817
Chung, H. H., 866
Chung, J., 843
Chung, S. Y., 290, 308
Church, G. M., 275
Churchich, J. E., 689, 710
Churms, S. C., 73
Chytil, A., 192, 193
Ciccarone, T. M., 545
Ciccarone, V., 414
Cicchetti, P., 535
Cichowski, K., 879
Cicirelli, M. F., 115
Cines, D., 127-29, 132
Cirtain, M. C., 389, 408
Cisek, L. J., 184
Clack, B., 113
Claesson-Welsh, L., 467
Clamp, J. R., 812, 813
Clanton, D. J., 866, 877
Clare, M., 570
Clark, C. D., 247
Clark, D., 388, 391, 401, 408
Clark, D. P., 402
Clark, E. A., 830
Clark, E. L., 272
Clark, H. B., 839
Clark, L., 38, 39
Clark, L. B., 812
Clark, M. W., 226, 244
Clark, R., 34, 38-40, 461, 462, 865, 866, 869-71, 874, 880
Clark, S. G., 456, 459, 462, 865, 875, 880
Clark, W. H., 840
Clarke, A. R., 195
Clarke, P. R., 330, 331
Clarke, R., 412
Clarke, S., 863
Clark-Walker, G. D., 600, 606, 616
Claude, P., 839
Clauser, E., 465
Claxton, D., 205
Clayton, C. E., 128
Clayton, D. A., 30, 31, 38
Cleasby, A., 572
Cleat, P. H., 38, 39
Clemens, J. C., 105, 109
Clemens, K. R., 304
Clements, P. R., 95
Clemetson, K. J., 72
Clerc, F., 871
Clerget, M., 918
Clermont, Y., 327, 328
Clertant, P., 34
Cleveland, D. W., 435, 442, 447
Cleveland, J. L., 114, 116, 468
Climent, I., 810, 813, 816
Cline, M. J., 638
Cline, T. W., 297, 316
Clogson, C. L., 532, 533
Clore, G. M., 150, 271, 273, 280, 755, 756, 759, 764
Clowes, A. W., 193
Clowes, M. M., 193
Clyman, J., 596, 597, 602, 603, 612, 615

Coates, J. A. V., 577
Cobb, M. H., 842
Cobianchi, F., 294, 295, 298-301, 303, 305, 310
Cobianchi, S. F., 295
Cobley, K. N., 577, 578
Coccetti, P., 462, 875
Cochet, C. C., 463
Cockcroft, A., 330, 331
Cocker, J. H., 35
Codacovi, L., 573, 574
Coenjaerts, F. E. J., 38, 39, 41
Coffey, R. J., 520, 521
Coffin, J. M., 192
Coffman, C., 518
Coggeshall, K. M., 108
Cogswell, P. C., 469, 474
Cohen, B. D., 873
Cohen, C. K., 221, 228
Cohen, D., 401, 402, 404, 405
Cohen, F. E., 661
Cohen, J. B., 495, 496, 860
Cohen, P., 331, 332, 464, 470, 842, 882
Cohen, R., 169
Cohen, R. J., 221
Cohen, S. G., 496, 518, 519
Cohen, S. N., 54, 102, 130, 192, 463
Cohn, J., 326
Cohn, M., 734
Cohn, S. A., 433, 436, 437
Cohn, Z. A., 329, 340
Colbert, H. A., 456
Colby, W. W., 865
Cole, C. N., 41, 244
Cole, D. E., 401, 402
Cole, D. G., 434, 440, 443
Cole, J. A., 784, 786
Cole, M. D., 608
Cole, P. E., 262
Cole, S. T., 784
Coleman, R. E., 733, 735
Colicelli, J., 881
Collado-Vides, J., 766
Colleaux, L., 596, 597, 615, 616
Collett, M. S., 101
Collier, D. N., 350, 359
Collins, C. A., 432, 443-46
Collins, F. S., 873
Collins, L. A., 786
Collins, R. A., 594, 596, 600, 608, 610, 612, 616, 617
Collins, R. N., 330, 332, 333, 337, 339
Collis, C. M., 770
Collmer, C. W., 608
Colman, A., 327, 328, 332, 333, 336, 337, 340
Colonna-Romano, S., 784
Colston, M. J., 599
Comai, L., 166, 167
Comarmond, M. B., 275, 738
Comb, D. G., 597, 599, 613
Comoglio, P., 468
CONAWAY, J. W., 161-90; 162, 163, 166, 167, 169-72, 174, 175, 177, 178, 182-84
CONAWAY, R. C., 161-90; 162, 163, 166, 167, 169-72, 174, 175, 177, 178, 182-84
Concaugh, E. A., 192, 193
Condon, C., 916
Condra, J. H., 304
Condron, R., 352, 364, 367
Cone, R. D., 192
Conger, K., 170
Conley, J., 716
Connolly, D. T., 468
Connolly, J., 437, 445
Conroy, L., 461, 462, 870, 871, 874, 880
Constantini, F., 197
Contreras, M. L., 842
Conway, D., 469, 836
Conway, G., 298, 310
Conzelmann, A., 124, 130, 132, 134, 135
Cook, D. I., 751
Cook, D. M., 644
Cook, P. R., 49, 55
Cook, P. W., 521, 527
Cook, S. P., 140, 142
Cook, W. B., 297
Cooke, R. M., 518, 519
Cool, D. E., 103, 112, 115
Coon, J. S., 389, 395
Coon, M. J., 804, 812, 816
Cooper, B., 812, 813
Cooper, G. M., 461, 470, 473, 474, 843, 854, 865, 866, 868, 877, 882
Cooper, J. A., 457, 460, 572, 863, 880
Copeland, C. S., 224, 350, 351, 362
Copeland, N. G., 525
Copeland, T. D., 545, 546, 554, 555, 831
Copeland, W. C., 24
Copertino, D. W., 591, 607
Coppo, A., 364, 365
Coppock, D. L., 57
Coppola, J. A., 180
Corbin, J. D., 755
Corces, V. G., 601, 862
Cordell, J., 372
Corden, J. L., 182-84
Cordes, V., 228, 231
Cordingley, M. G., 304
Cordon-Cardo, C., 398, 469, 832, 836, 855
Corfield, A. P., 93
Cormack, B. P., 165, 166
Cornetta, K., 192, 193, 203, 210, 211
Cornwell, M. M., 41, 386-88, 402, 407, 408, 413, 414
Correll, P. H., 192
Cortes, P., 168-72, 175-78
Cortese, R., 39
Corthésy-Theulaz, I., 339
Coruzzi, G., 593, 595, 600, 615
Cossart, P., 753, 756, 763, 774, 781
Costa, J., 642
Costa, M. E., 839
Costabel, U., 817
Costello, C. E., 81, 489, 493
Costello, L. C., 132
Costrini, N. V., 826, 827
Cottarel, G., 596
Cotten, M., 197, 198
Cotter, R. J., 84
Cotterill, S., 57
Cottrell, J. S., 83
Coue, M., 443, 446
Coughlin, M. D., 840
Coughlin, S. R., 457
Coulier, F., 471, 831, 836
Coulombe, B., 170, 172
Cournoyer, D., 192, 193
Court, D., 894, 904, 906, 918
Court, D. L., 901, 911, 915, 916, 918
Courtneidge, S. A., 467
Courtois, J. E., 88
Cousens, L. S., 471
Coussens, L., 525
Couture, S., 259, 611
Couturier, A., 434, 435
Cover, W. H., 356
Cowan, K., 389
Cowan, N. J., 350, 353, 372, 373
Cowart, M., 689, 690, 708
Cowburn, D., 458
Cowie, A., 883
Cowing, D. W., 896
Cox, A. D., 332, 852, 862, 863
Cox, L. S., 55
Cox, M. E., 844
Cox, R., 55, 57
Craft, J., 226, 227
Craig, E., 225
Craig, E. A., 350, 351, 356, 357, 359, 361-63, 375
Craig, J. A., 12
Craig, J. C., 555, 558
Craig, L. C., 489
Craig, R. W., 642
Craig, S., 328
Craik, C., 233, 234
Cramer, F., 717
Cramer, W. A., 500
Cranston, G., 638

Crasnier, M., 753
Craven, M. G., 914, 915
Crawford, J. L., 258
Crawford, L. V., 630, 631, 636
Crawford, R. J., 519
Creasey, A. A., 517
Crechet, J. B., 875
Creeth, J. M., 812, 813
Creighton, T. E., 139, 140, 355, 369, 667, 674
Cremins, J., 841
Crestfield, A. M., 110
Creusot, F., 593, 595, 597, 613
Crevel, G., 57
Crisanti, M. M., 670
Crise, B., 438
Crist, W., 401
Croce, C., 103, 109
Crocker, P. J., 488
Cromlish, J. A., 165
Cronin, K., 208
Crook, T., 632, 638
Crooke, E., 359
Croop, J., 388, 389, 391, 393, 404, 408, 415
Croop, J. M., 389, 390, 394, 395, 397-99, 410
Crosier, W. J., 645, 865, 872
Cross, G. A. M., 122, 124-29, 131, 134
Cross, K. J., 675
Crothers, D. M., 262, 278, 304, 757, 763-65, 767, 770-72, 780, 897, 922
Crowe, J., 228, 243
Crowe, L. G., 762
Crumbleholme, T., 193, 195
Crumley, G., 471-73
Crute, J. J., 34
Cruz, P., 258, 263
Cruz-Alvarez, M., 297
Crystal, R. G., 192, 193
Cseh, K., 526, 532
Cuadrado, A., 878, 880, 882
Cuatrecasas, P., 88, 825
Culbertson, M. R., 372
Cullen, B. R., 197, 893, 895, 920, 922, 923
Cullen, C. R., 182
Culver, K. W., 193, 209, 211
Culver, M., 645, 872
Cumming, D. A., 72, 75
Cummings, D. J., 259, 364, 365, 596, 598-600, 608
Cundall, R. B., 810, 812
Cunningham, B. A., 110
Cupo, D. Y., 31, 33, 37, 38, 43, 56
Cupples, R., 463, 517, 518, 522, 523
Curatolo, W., 489, 493, 497
Curiel, D. T., 197, 198, 638
Curran, T., 644, 882
Currier, S., 389, 397, 399, 415
Currier, S. J., 393, 397, 399, 404, 406-10, 413, 416
Cusack, S., 715, 716, 719-22
Cushman, C., 854
Cusick, M. E., 32, 49, 244
Cuthill, S., 374
Cutting, A. E., 199
Cyr, D. M., 378
Cyr, J. L., 434
Czapski, G., 814
Czarniecki, M. F., 489
Czech, M. P., 826, 827
Czermely, P., 350, 353, 374
Czernik, A. J., 535
Czworkowski, J., 264
Czyzyk, L., 642

D

D'Abaco, G., 868, 870
Dabauvalle, M-C., 221, 228
Dabora, S. L., 440
Dabrowski, C. E., 34
Dabrowski, J., 77
Daddona, P. E., 207
Dagberg, B., 779
Dagley, S., 18
da Haan, M., 593, 595, 596, 598
Dahlberg, J. E., 166, 782
Dahlberg, M. E., 689, 692, 693, 697, 708
Dahlquist, F. W., 140, 271, 657, 660, 661, 663, 669
Dahlstroem, I., 116
Dahmus, M. E., 181-83
Dailey, L., 50
Daithwite, S. R., 767
Dakin, H. D., 801, 804
Dalgaard, J. Z., 592, 595, 597, 598
Dalie, B., 351
Dallner, G., 130
Dalman, F. C., 350, 353, 374
Dalma-Weiszhausz, D. D., 765
D'Alonzo, J. S., 865, 868, 877
Dalton, W. S., 389, 401
Dalvit, C., 271
Daly, R. J., 462, 463, 880
Daly, T. J., 263
Damak, F., 875
D'Amico, D., 638
Damm, J. B. L., 73
Damon, D. H., 843
D'Amore, P. A., 843
Dancewics, A. M., 811
Danchin, A., 750, 752-54
Daneholt, B., 222, 308, 312, 316
Dang, C. V., 54
Dange, V., 610
Daniel, D. C., 32, 47
Daniel, P. F., 73
Daniel, T. O., 467
Daniels, C. J., 592
Daniels, K., 208
Danishefsky, A. T., 517
Danks, M. K., 386, 389
Danley, D. E., 676
Dann, J. G., 570
D'Anna, J. A., 47, 49
Danna, K., 192
Dannals, R. F., 508
Dano, K., 386, 415
Danos, O., 199
Dao-pin, S., 140-43, 145-50
Darby, G., 692
D'Arcangelo, G., 461, 470, 471, 843, 844, 882
Dardel, F., 717, 727, 733
Dargemont, C., 222
D'Ari, R., 753
Darke, P. L., 545, 566, 568
Darlington, B. G., 471
Darlington, G. J., 193, 400
Darnell, J. E., 116, 290, 356
Darsillo, P., 267
Darst, S. A., 162
Darvill, A., 76
Darzynkiewicz, E., 221
DAS, A., 893-930; 893-96, 903, 906, 909-12, 914-19, 922, 923
Das, M., 483
Dasgupta, S., 155, 157
Daston, M. M., 872
Dathan, N. A., 221, 300, 301
Datta, P., 779
Daubavalle, M.-C., 220, 231
Daubersies, P., 860
Daum, G., 103, 228, 243, 463
D'Auriol, L., 596, 615
Daveran-Mingot, M-L., 784
Davey, M., 83
Davey, R. A., 401
Davey, S. K., 52
Davide, J. P., 393, 405
Davidoff, A. M., 638
Davidson, A. L., 411
Davidson, E. A., 72
Davidson, E. H., 53, 324
Davidson, H. W., 332
Davie, E., 908
Davies, A. M., 840
Davies, D. E., 570
Davies, D. R., 21, 546, 572, 573, 668
Davies, J., 611
Davies, K. J. A., 805, 810, 811, 817
Davies, M., 688
Davies, R. W., 258, 598, 756, 764
Davies, S., 454
Davis, C. G., 518, 519

Davis, D. G., 441
Davis, E. O., 599
Davis, L. I., 221, 228, 230
Davis, L. J., 544, 545, 868, 870, 877
Davis, L. R., 32, 220, 221
Davis, R. J., 520, 532
Davis, R. W., 50
Davis, S., 469, 836, 839
Davis, T., 526, 780, 830
Davison, B. L., 162, 163, 169
Davitz, M. A., 127
Davoust, J., 330, 331
Day, N. E., 196
Day, R. O., 275, 401, 878
Dayton, A. I., 47, 920
Dayton, B. D., 545
Dayton, S. H., 639
de Almeida, M. L., 93
Dean, C., 372
Dean, F. B., 33, 36, 37, 40
Dean, N., 327, 339
Dean, R. T., 810, 811, 817
Deanin, G. G., 329, 330, 333
Deaven, L., 222, 223
Deb, S., 33, 36, 40, 41
Deb, S. P., 33, 41
Debanne, M. T., 395
Debbas, M., 630
de Bear, J. S., 275, 276
DeBoer, G., 397, 401
Debouck, C., 545
De Bruijn, M. H. L., 390
DeBusk, B. G., 4
DeCaprio, J. A., 630, 631, 634, 635
Dechant, G., 836
Decker, D., 825, 826, 835
Decker, R. S., 38
Decker, S. J., 470, 522, 842
DeClue, J. E., 854, 864, 870, 873, 874
Decottignies, J. P., 75
de Crecy-Lagard, V., 784
de Crombrugghe, B., 753, 758, 762, 763, 766, 768, 779, 780, 894, 897, 910
de Cuevas, M., 433
Deeg, M. A., 123, 132
DeFalco, E., 769
DeFay, K., 526, 528, 529, 531, 532
DeFeo, D., 855
de Feo, G., 433, 441
DeFeo-Jones, D., 853-55
Defize, L. H. K., 463
DeFrancesco, R., 39
de Gasparo, M., 116
DeGasperi, R., 130-32, 135
Degen, S. J. F., 196
deGennaro, F., 295
DeGrado, W. F., 489, 503, 504
De Grazia, H., 759
DeGudicibus, S. J., 870, 878
DeGudicibus, S. R., 877
DeHoratius, C., 226, 237, 242
Deisenhofer, J., 676
Deitch, J. S., 431
DeJong, B. A. W., 306
DeJong, S., 389
DeJongh, D. C., 79
Delaat, W. L., 871
De la Cruz, N., 781
Delahodde, A., 593, 595-97, 613, 615
de Lange, P., 397
Delannoy, M. R., 337, 338
DeLarco, J. E., 518, 520, 840
Delarue, M., 716, 717, 719
De La Salle, H., 595
Del Buono, L., 199, 209
De Lean, A., 489, 504
de Lederkremer, R. M., 122
Delellis, R. A., 841
Delepierre, M., 675
Delfino, J. M., 493, 495
Delidakis, C., 46
Delihas, N., 256, 266
Dell, A., 66, 77, 81, 93, 94
Dell, K., 473
Delling, U., 922
Dellwo, M. J., 271, 273
DeLong, A., 914
De Lorenzo, V., 782
Del Rosario, M., 457, 458, 460, 473
Delsignore, M. E., 805, 810, 811
DeLuca-Flaherty, C., 358
DeLucia, A. L., 33, 36, 41
Del Vecchio, R. L., 464
DeMarco, M., 461, 470, 471, 843, 844, 882
Demaret, J.-P., 740
Demarquoy, J., 192, 193
DeMoss, J. A., 786
Dempsey, W. B., 18
Denburg, J. A., 840
Deng, H. Y., 263
Dengler, B., 262
den Hertog, J., 115
Denis, M., 374
Dennert, G., 336
Dennis, D. T., 350, 352, 364
Dennis, P. P., 914
Denny, J. B., 508
Denome, R., 128
Dent, P., 464, 842, 882
DEPAMPHILIS, M. L., 29-63; 30-33, 36-38, 40, 43, 45, 48-50, 52, 54-56
DePinho, R. A., 402
DePinho, S. G., 398
Der, C. J., 852, 862-70, 882
Derby, R. J., 244
Derbyshire, V., 691, 692
Derevitskaya, V. A., 72
DeRobertis, E. M., 220, 221, 237
Derome, A. E., 77, 269, 270
DeRose, M. L., 49
Dervan, P. B., 266
der Vliet, P. C. V., 39, 50
Derynck, R., 463, 517, 519-21, 532, 534, 535
de Scheerder, I., 196
Deschenes, R. J., 107, 854
Desesev, G. N., 220, 223
Deshaies, R. J., 228, 243, 350, 351, 359
Deshpande, M. S., 558
DesJarlais, R. L., 575
Desmyter, J., 690, 709
Desnick, R. J., 192, 193
Desnoues, N., 784
deSolms, S. J., 556, 572
Desponds, C., 124, 132, 134, 135
Despons, L., 716, 740, 743
Dessein, A., 754
Dessen, P., 717, 719, 723, 734
Dessev, G. N., 334
De The, G., 196
Deuchars, K., 390
Deuchars, K. L., 390
Deuschle, U., 897
D'Eustachio, P., 114
Deutscher, M. P., 702
Devadas, K., 854
Devault, A., 390, 393, 398
Devaux, P. F., 417
De Vendittis, E., 881
Devilliers, G., 312
deVilliers, J., 37
Devine, J. H., 779
Devine, S. E., 393, 404, 405
De Virgilio, M., 863
DeVito, J., 915
De Vos, A. M., 867
de Vries, C., 468, 472
de Vries, E., 38, 39, 41
DeVries, E. G. E., 389
DeVries, P., 468
de Waard, P., 77, 79, 94
Dewan, J. C., 276
Dhar, R., 197, 855, 865
Dhar, V., 37
Dhawan, J., 193
Dhevrire, B., 275, 276
Dhir, R., 404, 406
Diacumakos, E. G., 197
Diala, E. S., 507
Dianey, J. M., 575
Diaz, M., 399, 405, 413, 418
Diaz, R., 338
Diaz, S., 93
Diaz-Torres, M. R., 907
Dib-Hajj, S. D., 591
Diblasi, F., 875

Dice, J. F., 350, 351, 357, 363
Dichek, D. A., 193, 196
Dick, J. E., 193
Dickinson, L., 56
Dickson, R. C., 766
Diederich, R. J., 518
Diehl, R. E., 863, 869, 870
Diehl, S. R., 873
Diekmann, D., 462, 870, 876
Diekmann, S., 770
Dietrich, R. C., 591
Diffley, J. F. X., 35, 224
DiFrancesco, R., 704
Dignard, D., 532
Dijkwel, P. A., 45, 46, 49, 52
DiLauro, R., 768, 780, 897, 910
Dill, K. A., 139, 146, 352, 355, 655, 661
Diller, L., 640
Diltz, C. D., 102, 108, 110, 112, 114, 115
Dilworth, S. M., 221, 223, 232
DiMarchi, R. D., 555
Dingwall, C., 220, 221, 223, 232, 247, 717, 734, 922
Dinter-Gottlieb, G., 608
Dinur, T., 192, 193
Dionet, C., 401
Dionne, C. A., 460, 471-73
Dirheimer, G., 717, 719, 726, 727, 731, 733
Dispensa, M., 784
Dissen, G. A., 839
Disteche, C. M., 517, 521, 532
DiStefano, P. S., 830, 839
Distler, J. J., 88
Ditto, M., 918
Dix, T. A., 507
Dixit, M., 199
DIXON, J. E., 101-20; 103, 105, 107, 109-12, 114-16
Dixon, M. M., 146
Dixon, R. A. F., 869, 870, 878, 879
Dobberstein, B., 304, 507
Dobrogosz, W. J., 781
Dobrovnik, M., 197
Dobrowolski, S., 872, 873
Dobson, C. M., 355, 655, 656, 660, 661, 663, 666, 671, 673
Dock-Bregeon, A.-C., 266, 267, 275, 276, 280
Dodson, G. S., 456, 462, 854
Dodson, M. S., 34, 361
Doelling, J. H., 916
Doenges, R., 71
Doering, T. L., 122-24, 127, 129-31, 133
Doering, V., 338
Dohrmann, P. R., 246
Dokova, M., 593, 595, 596, 613
Dolder, M., 501
Dolgikh, D. A., 661, 664
Dollard, C., 165
Dombroski, A. J., 896, 905, 906
Domenico, J. M., 259, 598-600, 608
Dominguez, J. M., 397, 401
Domon, B., 81, 86
Doms, R. W., 350, 351, 362, 500
Donahue, R. E., 210
Donald, A. S. R., 812, 813
Donaldson, G. K., 352, 364-66, 371
Donaldson, J. G., 337
Dondon, J., 742
Donehower, L. A., 639, 642
Dong, D. L.-Y., 67
Dong, Q. P., 784
Dong, X. F., 315
Dong, X-R., 786
Dong, Z., 368
Donis-Keller, H., 265
Donlin, M. J., 686, 690, 691, 693, 704
Donnelly, C. E., 768
D'Onofrio, M., 221, 228, 231
Donoso, L. A., 627
Donovan, D., 717
Donovan, P. J., 525
Donzell, W. C., 330
Doolittle, R. F., 601, 609, 613, 721
Doolittle, W. F., 611
Doree, M., 330, 331, 334
Dorland, L., 66, 75, 93
Dorland, S., 246
Dornreiter, I., 34
Dotti, C., 431
Douc-Rasy, S., 766
Doudna, J. A., 611, 736, 742
Douglas, M., 220
Douglas, M. G., 221, 223, 225, 229, 237, 238, 361, 378
Douth-Waite, S. R., 780, 782
Dover, S. D., 276
Dowdy, S. F., 624
Downes, C. P., 454, 464, 842
Downes, C. S., 57
Downie, J. A., 393
Downing, A. K., 458
Downing, D. L., 914
Downing, J. R., 467, 468, 535
Downing, K. H., 498
Downs, W. D., 267
Downward, J., 461, 463, 876, 878, 879
Drakenberg, T., 519
Dramer, A., 290
Draper, D. E., 266
Drebin, J. A., 522
Drechsel, D., 432
Dreher, T. W., 716, 718, 743, 744
Dressler, L. G., 397
Drew, H. R., 765, 770
Dreyer, G. B., 545, 548, 553-56, 566, 573
Dreyfus, M. G., 639
DREYFUSS, G., 289-321; 222, 243, 290, 292-98, 300, 301, 303-5, 307, 309, 311
Driel, W. V., 38, 39, 41
Driessen, A. J. M., 350, 359
Drinkwater, C. C., 833
Dripps, D., 764
Driscoll, M. C., 55
Driscoll, P. C., 271, 273
Droge, P., 912
Dryden, P., 468
Dryja, T. P., 626-28
Du, R., 390
Duan, D.-S. R., 460, 467, 472
Dubochet, J., 771
Duchesne, M., 871
Duckworth, B., 104, 454, 458
Dudler, R., 394
Duffin, K. L., 85
Duffy, L. A., 634
Duflot, E., 500
Dufort, D., 38
Dujardin, G., 166, 595
Dujon, B., 258, 259, 593, 595-99, 602, 615, 616
Dull, T. J., 463, 465, 519, 532, 838
Dumont, M. E., 500
Dunbar, C., 210
Duncan, L. A., 803, 804
Dunham, R. G., 234
Dunlap, P. V., 779
Dunn, B. M., 545, 555, 572
Dunn, C. Y., 865
Dunn, D., 645, 872
Dunn, J. J., 237, 689, 895
Dunn, J. M., 627
Dunphy, W. G., 106, 111, 326, 327, 333, 334, 337, 338
Dunst, R. W., 244
Dupree, P., 510
Durie, B. G., 401
Durkin, J. P., 878
Duronio, V., 468
Dürrenberger, F., 597, 615
Duszenko, M., 125, 126
Duthie, M., 390
Dutly, F., 245
Duval, N., 128
Duyvesteyn, M. G. C., 207
Dvir, A., 184
Dwarki, V. J., 193
DWEK, R. A., 65-100; 66, 67, 69, 77, 78, 89, 90, 93, 94, 122-27
Dworetzky, S. I., 220-22, 234, 238, 240
Dynan, W. S., 180, 183, 184

Dyne, M., 395, 414
Dynlacht, B. D., 165-67, 169, 183
Dyson, H. J., 355, 675
Dyson, N., 631-33, 635
Dzierzak, E. A., 193

E

Eakin, R. E., 7
Earl, P. L., 105
Earnest, L. E., 409
Earp, H. S., 527, 528, 531
Eaves, C. J., 193
Ebel, J.-P., 265, 266, 717, 740, 741
Ebendal, T., 825, 834, 838-40
Ebert, B., 665
Ebina, Y., 779, 780
Ebright, R. H., 755-59, 763, 764, 769, 772-74, 781, 784
Ebright, Y. W., 755, 756, 759, 763, 764, 769, 772, 781
Eccleston, J. F., 867
Echeverria, O. M., 306
Echols, H., 43, 350, 351, 357, 358, 360, 361, 366, 376, 377, 686, 687, 752, 788, 917, 918
Eckdahl, T. T., 50
Ecker, D. J., 854
Eckersberg, T., 401, 402
Eckhart, W., 636
Eckner, R., 222
Economou, J. S., 204
Eddy, M. J., 35
Eddy, S. R., 596, 597, 602
Edelman, G. M., 109, 110, 647
Eder, J., 668
Edery, M., 465
EDGE, C. J., 65-100; 75, 77, 78, 91, 124, 126
Edgell, M. H., 545
Edidin, M., 135
Edirisinghe, W. R., 327
Edison, A. S., 271, 275
Edman, U., 855
Edwards, A. M., 162
Edwards, D. P., 397
Edwards, M. K. S., 115
Edwards, Y., 464
Eerola, E., 471, 472
Efferth, T. H., 401
Efstratiadis, A., 192
Egami, F., 89
Eger, B. T., 708
Eger, T. E., 689, 693, 697, 708
Egge, H., 66, 77
Eglitis, M. A., 192, 396
Egly, J. M., 162, 163, 166, 169-71, 174, 175, 177, 179, 183, 184
Egorova, S. P., 722
Ehlers, M. R. W., 531
Ehrenberg, L., 266
Ehrenman, K., 615
Ehresmann, B., 280, 281
Ehresmann, C., 265, 266, 280, 281, 742
Ehret-Sabatier, L., 489-91
Ehrlich, M. E., 535
Eichinger, G., 342
Eickbush, T. H., 601, 606, 609, 613
Eidels, L., 529, 530
Eiglmeier, K., 784
Eijdems, W. H. M., 389
Eilen, E., 758
Eiler, S., 723
Eilers, M., 356, 359
Eilers, N. C., 79
Eilon, G., 409
Eimer, W., 272
Einerhand, M. P. W., 192
Eisemann, A., 472
Eisenbeis, S., 717
Eisenberg, D., 716, 719, 816
Eisenberg, M. T., 297
Eisenberg, S., 35, 38, 43
Eisenman, J., 517, 525, 529, 532, 536
Eisenman, R. N., 54
Eisenmann, D. M., 165, 167
Ekhterae, D., 193, 195
Eki, T., 33, 34, 49
El-Assouli, S. M., 32
El-Deiry, W. S., 641
Elder, D. E., 827, 840
Elder, J. H., 69, 89
Elder, J. K., 53
Elfenbein, G., 205
Elgort, M., 780
Elinson, R. P., 440
Eliyahu, D., 640, 641
Elkins, T., 110
Ellerson, D., 205
Ellington, A. D., 259, 260
Elliott, G. A., 518, 519
Ellis, A., 646
Ellis, C., 104, 113, 458, 459, 461, 464, 468, 870, 879, 880
Ellis, L., 113, 465
Ellis, R. J., 350, 352, 364, 365, 373, 378
Ellis, R. L., 599, 612
Ellis, R. W., 855, 865, 866
Ellisen, L. W., 518
Ellison, E. L., 597
Ellman, J. A., 507, 510
Ellmeier, W., 222
Elluru, R. G., 438
Elmerich, C., 784
Elsasser, S., 43
Elson, H. F., 396
Elve, G. A., 656, 659, 660, 664, 667, 673
Elvehjem, C. A., 5
Emini, E. A., 544, 545, 566, 568
Emmer, M., 753, 758
Emr, S. D., 342
Emsley, P., 394
End, D., 841
Endean, D. J., 53
Endemann, G., 466
Endicott, J. A., 389, 390, 393
Endo, M., 461, 878
Endo, S., 73
Endo, Y., 72, 88
Endow, S. A., 432, 434, 435, 440, 441, 445
Eng, W.-K., 237
Engebrecht, J., 779
Engel, A., 221, 228, 364
Engel, D., 905
Engel, J., 518, 519
Engelberg, D., 881
Engelborghs, Y., 660
Engelman, B. P., 765
Engelman, D. M., 355, 658, 659
Engelmann, H., 531, 535, 537
England, J. M., 329
England, L., 880
Englander, J. J., 663
Englander, S. W., 656, 659, 660, 663, 664, 673, 679
Englisch-Peters, S., 716
ENGLUND, P. T., 121-38; 122-27, 129-31, 133
Engman, D. M., 353
Ennulat, D. J., 841
Enomoto, H., 558, 578
Enomoto, T., 33, 34
Enos, A. P., 434, 435
Ensoli, B., 921, 922
Enver, T., 55
Epand, R. M., 395, 413
Epner, E., 55
Eppenberger, H. M., 222, 226, 242, 245, 307, 334
Epstein, A., 192, 193
Erard, M., 226, 304
Eraso, J. M., 779
Erdjument-Bromage, H., 350, 353, 372, 373
Erdman, R. A., 863
Erdman, V. D., 199
Eriani, G., 716, 717, 719, 723, 726, 727, 731, 733
Erickson, B., 895
ERICKSON, J. W., 543-85; 544-46, 548, 553, 561, 573, 574, 576, 577, 782
Erickson, R. E., 657
Erickson-Viitanen, S., 489, 503, 504
Erikson, E., 843

Erikson, R. L., 101, 103, 107, 110, 843
Eriksson, A. E., 140, 143, 457, 467
Erkelens, C., 272, 274, 275
Erlansson, K., 81
Ernberg, I., 922
Erne, P., 840
Ernfors, P., 838, 839
Erni, B., 493, 497
Ernst, C. S., 827, 840
Ernst, H., 180
Ernst, M., 831
Ernst, R. R., 79, 270-72
Errington, J., 173
Erwin, C. R., 147
Escandon, E., 469, 836
Escara-Wilke, J., 295, 297, 305
Eschenlauer, A. C., 773, 781
Escher, E., 489, 504
Escobedo, J. A., 456-60, 467, 468, 473
Esherick, J. S., 588
Esser, A. F., 500
Esser, K., 600, 608
Estruch, F., 233
Etkin, L. D., 53
Etkin, M., 205
Euteneuer, U., 446
Eva, A., 462, 876
Evangelidis, V., 244
Evans, C. D., 223, 334
Evans, D. L., 676
Evans, D. N., 578
Evans, H. J., 638
Evans, L., 330
Evans, P. A., 355, 655, 656, 660, 661, 663, 666, 671, 673
Evans, P. R., 301
Evans, R. M., 192
Evans, T. A., 462, 876, 877
Eveleth, D. D., 825, 843, 844
Eveleth, J., 443
Everett, G. A., 258
Evernden-Porelle, D., 390, 397
Ewen, M. B., 635
Ewing, C. M., 638

F

Faber, L. E., 350, 374
Fabricant, R. N., 840
Fairchild, C. R., 391, 400, 409, 412
Fairclough, R., 263, 264
Fairhead, C., 596, 615
Fajardo, E., 459
Fakan, S., 305, 306
Fakharzadeh, S. S., 642, 643
Fakhoury, S. A., 555, 556
Falchetto, R., 493, 495, 501, 502, 504, 505
Faletto, D. L., 468
Falk, W., 830
Falkow, S., 105, 109
Fallows, D. A., 390
Fan, D., 409
Fan, H., 844
Fandl, J. P., 781
Fang, F., 93
Fangman, W. L., 30, 32, 46, 55
Fankhauser, C., 132, 135
Fanning, E., 34, 630
FANTL, W. J., 453-81; 457, 458, 460
Farber, J. M., 813, 816, 817
Fardel, O., 399
Farewell, A. R., 908
Farmer, G., 641, 642
Farmer, J. D., 375
Farmerie, W. G., 545
Farnham, P. J., 41, 169, 182
Farnsworth, C. C., 863
Farnsworth, C. L., 462, 870, 876, 878
Farpe, M., 843
Farr, G. W., 350, 353, 372, 373
Faryniarz, A. G., 831
Fasano, O., 853-55, 865, 868, 881
Fase-Fowler, F., 394
Fashing, C. L., 624
Fasiolo, F., 716, 740, 743
Fasold, H., 239
Fatemi, S. H., 130, 134, 135
Fatemie-Nainie, S., 839, 840
Fauchacre, J-L., 143
Faus, I., 165, 905
Fausset, P. R., 532, 533
Faust, E. A., 52
Fausto, N., 520, 860
Fawcett, D. W., 326, 329, 330, 340
Fayat, G., 717, 727, 733, 734
Faye, G., 592, 593, 597, 607
Fearon, E. R., 208, 627, 632, 638, 641, 642, 646, 647
Featherstone, C., 331, 333
Feaver, W. J., 162, 169-71, 174, 175, 177, 179, 181, 184
Fechtel, K., 518
Fedorcsak, I., 266
Fedorov, A. A., 545
Fee, F., 860
Fehon, R. G., 519
Feibig, M. L., 329, 330, 333
Feig, L. A., 462, 854, 865, 866, 870, 876-78
Feillel, V., 401
Feinberg, M. B., 197
Feinerman, M., 309
Feinstein, A., 75
Feinstein, D. L., 830
Feinstein, S. C., 826
Feizi, T., 81
Felder, S., 463
Feldheim, D., 243, 361
Feldherr, C. M., 220-22, 234, 238, 240
Felgner, P. L., 197
Felix, A.-M., 330, 331
Fellous, M., 116
Fells, G. A., 192, 193
Felsenfeld, G., 43, 262
Felsted, R. L., 389, 407
Felton, J., 907
Feng, D. F., 601, 609, 613
Feng, S., 920, 922
Fenselau, C., 85
Fenton, R. D., 446
Feramisco, J. R., 843, 866
Ferguson, B. M., 55
Ferguson, B. Q., 738
Ferguson, E. L., 523
Ferguson, K., 870, 872, 881
Ferguson, M. A. J., 77, 93, 94, 122-27, 135
Ferguson, T. R., 123, 132
Fergusson, J., 412
Fermi, G., 139, 140
Fernandez, A., 334
Fernandez, L., 918
Fernin, T. E., 575
Ferrara, N., 468
Ferrara, P., 294, 296
Ferreira, A., 441
Fersht, A. R., 143, 147, 150, 154, 156, 158, 367, 656, 659-61, 667, 669, 670, 672, 673, 677, 700, 716, 717, 719, 720, 728, 730, 731
Fesik, S. W., 271, 273, 544
Fesquet, D., 106
Fett, R., 247
Feucht, B. U., 752
Feuerstein, J., 866, 867
Feundlich, M., 782
Fiddes, J. C., 517, 518, 520, 521, 527, 532
Fidler, I. J., 409
Field, D. J., 594, 600
Field, J., 864, 881
Field, M. C., 94, 124, 125, 127, 130, 131, 134
Fields, D. A., 896
Fields, S., 641
Fierer, D. S., 34
Figari, I. S., 526
Figge, J., 630, 631
Figlin, R. A., 204
Figueroa, N., 269
Fikes, J. D., 165
Filaccio, M., 205
Filhol, O., 463
Filipowicz, W., 180
Fillion, E., 281

Filloux, C., 842
Filmer, D., 758
Finch, J. T., 350
Finch, P. W., 471
Fine, R. F., 143
Fine, R. L., 408
Finean, J. B., 122
Finegold, A. A., 863
Finger, L. R., 905
Fink, A., 358, 360, 376
Fink, A. L., 656
Fink, D. J., 199, 842
Fink, G. R., 225, 227, 230
Fink, J. K., 192
Finkel, T., 865, 866, 868
Finkelstein, A., 172
Finkelstein, J., 5
Finkelstein, P., 812
Finlay, C. A., 636, 640-43
Finlay, D. R., 221, 228, 231, 237
Finn, B. E., 660, 663, 666, 667, 671, 672
Fire, A., 162, 163, 166, 169, 176
Fischer, E. H., 102, 103, 108, 110, 112, 114, 115
Fischer, G., 355
Fischer, J. A., 162, 275
Fischer, L., 170, 171, 174, 175, 177, 179, 184
Fischer, R., 456, 459, 463, 738
Fischer, S. G., 268
Fischer, U., 221
Fischer, W. H., 517, 518, 521, 527, 532
Fisher, C., 632, 638
Fisher, P. A., 224
Fisher, R., 899
Fisk, G., 434, 435
FitzGerald, D. J., 398, 418
Fitzgerald, M. P., 701
Fitzgerald, P. M. D., 545, 546, 548, 549, 553, 566, 568, 572, 573
Fitzpatrick, V. D., 182
Flaherty, K. M., 358
Flanagan, J., 350, 351, 358, 360, 361, 366, 376, 377
Flanagan, J. G., 517, 525, 528, 529, 531, 533, 534
Flanagan, J. M., 355, 658, 659
Flanagan, P. M., 162, 165, 166, 169, 170, 177, 179, 183
Flechtner, T., 489
Fleet, G. W. J., 89, 90
Fleisher, T. A., 193
Fleming, M. S., 467
Fleming, R. J., 518, 519
Fleming, T. P., 472, 878-80, 882
Fletcher, F. A., 193
Fletcher, G. L., 800
Fletcher, J. A., 873
Fleurdelys, B., 877
Flint, N., 507
Flitter, W., 803
Flocco, M. T., 350, 358, 376
Florentz, C., 716, 718, 736, 741, 743, 744
Flores, E., 114, 784
Flores, O., 162, 169-72, 174-79, 183, 184, 902
Flores, P., 883
Flores, T. P., 280
Florio, T., 116
Flor-Weiss, E., 396, 418
Flowers, M. E. D., 193
Floyd, R. A., 805, 817
Flugelman, M. Y., 196
Flynn, D. M., 817
Flynn, G. C., 338, 350, 352, 358, 366, 367, 370, 376
Flynn, P., 272, 275
Flytzanis, C. N., 53
Foe, V. E., 308
Fogg, J. H., 150
Fogler, W. E., 397, 418
Foisner, R., 197, 198
Fojo, A., 386, 387, 389, 391
Fojo, A. T., 389, 390, 396-98, 400-3, 409
Folk, W. R., 31, 33, 37, 38, 42, 43, 742
Folkers, K., 5, 9
Folkman, J., 471
Folli, F., 466
Fonck, Y., 401
Fong, N. M., 517, 519, 532
Foote, S. J., 394
Forbes, D. J., 55, 220, 221, 223, 228, 231, 237, 326, 334
Forchhammer, K., 720
Ford, C. C., 55, 57
Ford, E., 855, 862
Ford, G. C., 112
Fordis, C. M., 395, 396
Foreman, N. K., 205
Foreman, P. K., 49
Forrester, W. C., 55
Forsberg, M., 36
Forsén, S., 147
Forsman, K., 779
Forsyth, K., 394
Fortin, M. G., 248, 350, 353, 374
Foster, A. C., 256, 258
Foster, D. C., 67
Foster, L. C., 461, 880
Foundling, S. I., 545, 551, 553, 566, 569, 572
Fox, A., 79
Fox, C. F., 483
Fox, D. K., 750, 752
Fox, G., 258
Fox, G. M., 844
Fox, J., 763
Fox, M. H., 55
Foxwell, B. M., 407
Fradkin, L., 688
Francesconi, S. C., 38, 43
Francke, U., 642, 644
Francklyn, C., 736, 741, 742, 778
Francklyn, C. S., 736, 741
Franden, M. A., 688
Frangioni, J. V., 103
Franham, P. J., 899
Frank, M., 599
Frank, R., 226
Franke, W. W., 220
Frankel, A. D., 263, 267, 269, 304, 922
Franklin, N. C., 894, 910, 916
Franzusoff, A., 220, 336, 342, 496
Frappier, L., 35, 43, 54
Fraser, C. C., 193
Fraser, T. H., 717
Frattali, A. L., 465
Fratzke, R. A., 627
Fraumeni, J. F., 639
Fraumeni, J. F. Jr., 639
Frazier, W. A., 825, 838, 844
Frech, M., 865-67, 869-71, 877
Fredericks, W. J., 397
Fredrickson, T. N., 859, 862
Free, C. A., 570
Freed, E. O., 197
Freed, J. H., 66
Freedman, R. B., 350, 355, 357, 665, 667, 677, 717
Freeman, C., 95
Freeman, S. M., 193, 196
Freemont, P. S., 691, 692
Freese, A., 199
Freeze, H. H., 94
Fregien, N., 518
Freidberg, E. C., 686
Freidenberg, G., 465
Freier, S. M., 277, 278
Freire, E., 655, 664
Freist, W., 718, 719
French, A. D., 86
Fresco, J., 275
Fretto, L. J., 467
Freundlich, M., 781
Frey, A., 56
Frey, A. B., 495, 496
Frey, B., 596, 615
Frey, M. W., 695, 697
Frezza, D., 594, 595
Friberg, U., 327
Fridell, R. A., 611
Fridovich, I., 805
Fried, H. M., 222, 233, 235, 236

Fried, M. G., 762-64, 781
Fried, V. A., 459, 471
Frieden, E. A., 271
Frieden, R. W., 667
Friedman, D. I., 893, 901, 908-11, 914-17
Friedman, D. L., 294, 298, 310
Friedman, J., 375
Friedman, J. M., 690-92, 709
Friedman, P. N., 630, 636, 641, 642
Friedmann, T., 192, 193, 199
Friedrich, D., 290, 294, 297, 298
Friedrichs, M., 301, 302
Friend, D. S., 327
Friend, S. H., 627, 631, 639
Friesel, R., 473
Friguet, B., 660, 662, 665
Friis, R. R., 115
Frisch, E. F., 265
Fritsch, A., 764
Fritsche, H., 401
Fritz, E., 297
Fritze, C. E., 31, 33, 37, 43
Frobert, Y., 871
Fromageot, P., 183
Fromant, M., 717, 734
Fromm, M., 37
Frommel, T. O., 395, 397, 414
Fry, M. J., 459, 469
Frydman, J., 350, 353, 372, 373
Frye, R. A., 469, 474
Fu, P., 462, 875
Fu, X.-D., 306, 316
Fu, X. Y., 116
Fucci, L., 804, 812, 816
Fuchs, J.-P., 312
Fuchs, M., 350, 352, 366, 367
Fueki, S., 660, 663, 670, 671
Fuhrman, S. A., 244
Fujii, H., 165, 199
Fujimoto, S., 624
Fujino, K., 165
Fujioka, H., 877
Fujita, H., 172
Fujita, N., 774
Fujiyama, A., 863
Fukimoto, H., 464
Fukuda, J., 842
Fukuda, M., 72, 89, 882
Fukuda, M. N., 89
Fukuhara, H., 615
Fukui, Y., 104, 458, 875
Fulks, R. M., 804, 812, 813
Fuller, C. W., 689
Fuller, R. S., 532
Fuller, W., 276
Fung, Y.-K. T., 627, 632
Funk, W. D., 641
Furdon, P. J., 314
Furfine, E. S., 690, 709
Furst, P., 874
Furth, M. E., 855, 865, 868, 877
Furth, P. S., 575
Furukawa, T., 408
Furusawa, K., 436, 446
Futerman, A. H., 332
Fuwa, T., 518
Fuxa, K. P., 296, 304

G

Gabuzda, D., 199
Gadek, T. R., 197
Gaffney, B. J., 483
Gagnon, J., 103, 108
Gahn, T. A., 32
Gaidano, G., 638
Gait, M. J., 922
Gaitanaris, G. A., 350, 351, 361, 371, 378
Gal, S., 395, 396
Galaktionov, K., 106
Galardy, R. E., 489
Galas, D., 896
Galatis, B., 328
Gale, J. M., 47, 49
Galibert, F., 596, 615
Galimand, M., 784
Gall, J. G., 290, 294, 304, 306, 311
Gallagher, T., 24
Gallagher, W., 559
Gallaher, W. R., 501
Galland, F., 468
Gallardo, H. F., 197, 922
Gallie, B. L., 627
Gallimore, P. H., 862
Gallina, A., 493
Gallinaro, H., 312
Gallo, R. C., 197
Galluppi, G. R., 905, 912
Galski, H., 395, 397, 400, 401, 418
Gamer, J., 351, 363
Gametchu, B., 248
Gammon, R. S., 199
Gampel, A., 590
Gamper, H. B., 900
Ganapathi, R., 401, 402
Gandy, S. E., 535
Gangloff, J., 716, 717, 719, 723, 726, 727, 731, 733
Ganguly, S., 172
Gann, A. A. F., 920
Gannon, J. V., 34, 641
Gansbacher, B., 208
Gant, T. W., 393, 400
Gao, M., 234
Gao, X., 687
Gao, Y., 350, 353, 372, 373
Gao, Z., 508
Garabedian, B., 350, 353, 374
Garabedian, M. J., 248
Garber, M. B., 722
Garcea, R. L., 233, 234, 236, 237
Garcia, A., 267, 716, 741
Garcia, A. J., 434, 435
Garcia, J., 266, 922
Garcia, P. D., 351, 362
García-Blanco, M., 294, 296, 299, 304, 314, 922
Garcia-Bustos, J., 220, 221
Garcia-Bustos, J. F., 238-40
Garcia-Herdugo, G., 328, 329
Garcia-Sastre, A., 88
Gardas, A., 89
Garel, J.-R., 656
Garfinkel, S., 169
GARGES, S., 749-95; 753, 760, 761, 769, 893, 896
Gargouri, A., 607
Gariepy, J., 397
Garland, D., 817
Garner, A., 810
Garner, M. M., 782
Garnerone, A., 784
Garozzo, D., 85
Garrard, W. T., 42, 43
Garreau, H., 779, 875
Garrett, D. S., 271
Garrett, K. P., 166, 167, 170-73, 175, 177, 178
Garrett, M. D., 869, 870, 876
Garrett, R. A., 592, 594, 595, 597, 598
Garriga, G., 590
Garrison, W. M., 798, 799, 808-12, 814
Garsky, V. M., 545, 863, 870
Gartenberg, M., 757, 763, 764
Gartenberg, M. R., 764, 765, 770
Gartner, J., 394
Garver, R. I., 192, 193
Garvey, E. P., 660, 663, 666, 668, 671, 672
Garvik, B., 640
Gasch, A., 165
Gasser, S. M., 35, 50, 56, 57, 223, 225
Gassmann, M., 108
Gaston, K., 763, 767, 768, 770, 772, 780
Gaston, K. L., 784-86
Gatenby, A. A., 350, 352, 364-67, 371
Gatignol, A., 922
Gatmaitan, Z., 410
Gatt, S., 192, 193
Gatter, K., 638, 641
Gattoni, R., 312
Gaudette, M. F., 30, 50, 52
Gaul, U., 870
Gausepohl, H., 304
Gauss, P., 278

Gautheret, D., 281
Gauthier, A., 597
Gautier, J., 106, 111
Gay, N. J., 393
Gayer, D. A., 95
Gayle, M., 278
Gaynor, R., 266, 922
Gazdar, A. F., 632
Ge, H., 314
Geahlen, R. L., 103, 112, 115
Gebicki, J. M., 810, 811
Gebicki, S., 810, 811
Gee, A., 205
Gefter, M. L., 162
Geiduschek, E. P., 903
Geiselmann, J., 765, 771
Geissler, E. N., 517, 525
Geissler, K., 401
Gejyo, F., 75
Gelb, M. H., 863
Gelbert, L., 646
Gelfand, V. I., 433, 436-38, 440, 445
Gelfman, C. M., 24
Gelinas, R. E., 193, 199, 200
Geller, A. I., 199
Gelles, J., 437
Gent, M. E., 756, 764
Gentry, D., 895
Gentz, R., 526, 830, 897
Georgatos, S. D., 224
George, D., 638, 642, 643
George, D. L., 642, 643, 855, 860, 862
George, M. W., 486
George, P. C., 525
Georges, E., 397, 398
Georgiev, G. P., 290
Georgoff, I., 640
Georgopoulos, C., 225, 243, 350-53, 357-62, 364, 365, 367, 371, 374, 914
Georgopoulos, C. P., 360
Gerace, L., 220, 221, 223, 228, 237, 239, 240, 243, 324, 326, 334, 338
Gerard, M., 166, 171, 174, 175, 179
Gerber, G. E., 489, 493
Gerber, L., 127, 128, 132
Gerber, L. D., 127
Gerhart, J. C., 330, 332, 333, 337
Geriepy, J., 221, 238, 239
Gerisch, G., 124, 134
Gerke, V., 290
Gerlach, J. H., 390, 393, 397, 401
Gerlach, P., 779, 780, 783
Germain, D., 532
Germann, U. A., 393, 395-97, 406-8, 411, 414, 417
Germino, F. J., 172
Gerst, J. E., 881
Gerster, J. L., 627
Gerwig, G. J., 77
Gesellchen, P. D., 555
Geser, A., 196
Gesnel, M. C., 472
Gething, M.-J., 228, 350, 351, 355, 362, 677
Ghetti, A., 294-96, 304, 306, 309
Ghisolfi, L., 226, 304
Ghosh, B., 910, 914, 915, 919
Ghosh, G., 733, 734, 740
Ghosh, S., 245
Gianelos, J. A., 590
Gibbons, B. H., 444
Gibbons, I. R., 430, 444, 445
Gibbs, J. B., 467, 862, 865, 866, 868, 870-72, 874, 877-79, 881
Gibbs, L., 839
Gibbs, M. R., 142
Gibson, A., 329
Gibson, B. W., 717
Gibson, G. J., 95
Gibson, J., 784
Gibson, K. J., 708
Gibson, W., 297
Gicquel-Sanzey, B., 753, 756, 763, 774, 781
Giddings, T. H., 340
Gideon, P., 865, 866, 869, 870, 875
Giegé, R., 266, 267, 280, 716, 718, 736, 743, 744
Gierasch, L., 350, 358, 366, 376
Gierasch, L. M., 358, 375, 376, 675, 863
Gieseg, S., 810, 811
Gil, A., 294, 296, 299, 304, 314
Gilbart, J., 79
Gilbert, D., 54
Gilbert, D. J., 525
Gilbert, E., 472
Gilbert, M. J., 206
Gilbert, S. P., 443, 446
Gilbert, W., 766, 896
Gilboa, E., 197, 922
Gileadi, O., 170, 171, 174, 175, 181, 184
Gileadi, U., 393, 394
Giles, N. H., 162
Gill, D. R., 393, 399, 405, 413, 417, 418
Gill, G., 165, 166, 463
Gill, G. N., 463
Gill, S. R., 444, 446
Gillece-Castro, B. L., 81, 85
Gilliland, G. L., 559
Gillio, A., 211
Gilmanshin, R. I., 661, 662, 664-66, 672
Gilmore, R., 520, 534
Gilmore-Herbert, M., 221
Gimble, F. S., 597, 599, 613
Gindin, E., 407
Giovannini, F., 782
Girard, J.-P., 226
Girard-Bascou, J., 591
Girshovich, A. S., 350, 352, 366, 367, 370, 376, 507
Gitler, C., 490, 491
Gittelman, M. S., 659, 668, 672, 674
Giuliani, E. A., 556
Givol, D., 114, 519, 636, 640
Glabe, C. G., 507
Glaser, P., 753, 784
Glaser, T., 644
Glass, D. J., 469
Glass, J. R., 338
Glaubiger, D., 414
Glenney, J. R., 104, 330, 463
Glick, B. S., 332, 338, 855, 862
Glickson, J. D., 657
Glode, L. M., 197
Glomset, J. A., 334
Glover, C. J., 407
Glover, T. W., 873
Glowacka, S. K., 298
Glück, R., 493, 495, 501, 502
Goda, Y., 914
Godbout, R., 626, 628
Godfarb, D. S., 221, 239
Godfrey, J. D., 570
Godinger, D., 814
Godsave, S. F., 471
Goebl, M., 597, 599, 613
Goeddel, D. V., 469, 517, 519, 520, 526, 532, 535, 835, 836, 855, 865, 866
Goeldner, M. P., 489, 490
Goergatos, S. D., 334
Goff, S., 199
Goff, S. P., 690
Gogol, E. P., 689, 710, 905
Goguel, V., 593, 595, 597, 613
Goh, W. C., 920
Goins, W. F., 199
Gold, L., 260, 299, 596, 597, 602
Goldberg, A. L., 350, 351, 364, 817
Goldberg, M., 355, 657
Goldberg, M. E., 660, 662, 665, 667, 671, 675, 679
Goldberg, Y., 467
Golden, B. L., 301
Goldenberg, D. P., 659, 667
Goldenberg, S. K., 397, 399, 410, 418
Goldfarb, A., 895-97, 899, 903, 904
Goldfarb, D., 220, 221
Goldfarb, D. S., 221, 222, 229, 238, 239, 242

Goldfarb, M., 471, 853-55, 865
Goldfinger, N., 636, 643
Goldfischer, S., 327
Goldman, D. W., 487
Goldman, R., 334
Goldring, A., 183
Goldschmidt-Clermont, M., 591
Goldsmith, M., 437, 445
Goldstein, A. L., 244
Goldstein, J. L., 330, 863
Goldstein, L. J., 397, 400, 401, 418
Goldstein, L. S., 432-35, 437-41
Goldstein, S., 816
Goliger, J. A., 901, 910
Gollnick, P., 904
Goloubinoff, P., 350, 352, 365, 367
Goltz, J. S., 446
Golubic, M., 872, 873
Golumbek, P., 208
Goman, M., 773
Gomez, C. M., 89
Gomez, N., 470, 842, 882
Gonatas, N. K., 327
Gonda, M. A., 855
Gong, D. W., 170
Gong, J. Z., 638
Gonzales, E., 876
González-Reyes, J. A., 328, 329
Goodbourn, S., 162
Goodfellow, J. M., 279, 280
Gooding, L., 526, 528, 529, 531, 532
Goodman, C. S., 110, 295
Goodman, L. E., 863
Goodman, M. F., 686, 687, 690, 701
Goodman, S. D., 782
Goodrich, J. A., 768, 769
Goodrich-Blair, H., 592, 593, 597, 599, 611, 613
Goodson, H., 220, 221
Goodwin, S. L., 79
Goody, R. S., 866, 867
Goodyear, G. H., 5
Göransson, M., 779
Gordon, A. W., 521
Gordon, J. I., 133
Gordon, J. W., 197
Gorican, B., 135
Görlach, M., 294, 295, 301, 302, 314
Görlich, D., 507, 508
Gorman, M., 297, 316
Gorniak, J. G., 545
Goro, S., 813
Gorski, K., 162
Gorvel, J.-P., 331, 510
Gorziglia, M., 199
Gospodarowicz, D., 471
Gossard, D., 532
Got, R., 89
Goto, Y., 656
Gotoh, Y., 842, 882
Gott, J. M., 594, 597, 599, 612, 615
Gottesfeld, J. M., 304, 765
Gottesman, M., 193, 893, 894, 910, 918
Gottesman, M. E., 350, 351, 361, 371, 378, 773, 896, 906, 914, 918, 919
GOTTESMAN, M. M., 385-427; 39, 386-91, 393, 395, 396, 399-401, 404, 407, 408, 413, 415, 418, 419
Gottesman, S., 914, 918
Gottlieb, E., 920
Goud, B., 329, 331, 332
Gould, K. L., 106
Gounari, F., 39
Gourse, R. L., 894, 897, 916
Goustin, A. S., 521
Gout, I., 458, 459, 469
Gouy, M., 278, 279
Govind, S., 245
Gown, A. M., 840
Goyette, M., 860
Grabowski, P. J., 314
Grabowski, S., 272, 273
Grachev, M. A., 895, 897, 899
Gracia-Navarro, F., 328, 329
Gracy, R. W., 817
Graf, R., 493, 495, 501, 502
Graffe, M., 742
Gragerov, A., 350, 351, 361, 371, 378
Graham, F. L., 197
Graham-Pole, J., 205
Gralla, J. D., 36, 41, 42, 181, 278, 766, 768, 771, 897
Grand, R. J. A., 862
Grant, D. M., 608
Grant, S., 386
Grassé, P. P., 328
Gravel, R. A., 75
Graves, B. J., 545, 547, 556, 566, 568, 570
Graves, J. D., 461, 878, 879
Graves, J. P., 297
Graves, M. C., 545, 547, 555, 556, 566, 568, 572
Graves, P.-V., 735
Gray, A. M., 356, 519, 532, 838
Gray, D. M., 263
Gray, G. R., 80
Gray, M. W., 592, 593, 597, 598
Gray, T. E., 367, 733
Gray, T. M., 139, 140
Grayhack, E. J., 910, 911, 914, 917
Grayzar, J., 486, 487
Graziani, A., 104, 454, 458
Graziani, G., 472
Graziano, E., 49
Greaves, R., 641
Greber, U. F., 221, 243
Green, A., 401
Green, B. N., 85
Green, E. D., 71, 73
Green, H., 193, 519
Green, J. M., 517, 521, 532, 545, 558, 561, 569, 784, 786
Green, L., 918
Green, M. R., 177, 197, 292, 306, 316, 353, 374, 920, 922
Green, N. M., 358
Green, P., 780
Green, R., 260, 736, 742
Green, S. H., 471, 843
Green, S. M., 922
Greenberg, E. P., 779
Greenberg, J. R., 290
Greenberg, M. E., 882
Greenberg, P. D., 206
Greenberger, J. S., 527, 528, 532
Greenberger, L. M., 398, 407, 408
Greenblatt, J., 165, 166, 170-73, 175, 177-79, 899, 907, 910, 911, 914-17
Greenblatt, J. F., 173, 177
Greene, J. R., 246
Greene, L., 825
Greene, L. A., 825, 842
Greenleaf, A. L., 162, 172, 177, 179, 182, 184, 895, 902
Greenlee, W. J., 555
Greenspan, R. J., 127
Greenwald, I., 456, 462, 518
Greenwalt, D., 525
Greer, F., 81, 94
Greer, P., 474
Gregoret, L. M., 661
Gregorova, E., 566
Gregory, H., 519
Gregory, M. E., 12
Grenningloh, G., 109
Grey, L., 458, 880
Gribskov, M., 165, 173, 716, 719
Griesinger, C., 79, 271
Griffey, R. H., 272
Griffin, M. S., 394
Griffing, L. R., 328
Griffith, J. D., 689
Griffith, M. C., 507
Griffiths, G., 327, 331, 333, 334
Grignani, F., 459, 464
Grigoriadis, D. E., 508
Griko, Y. V., 657, 664
Grimes, W. J., 75

Grinde, B., 554
Grindley, N. D. F., 692
Gripas, A. F., 662, 665, 666, 672
Griskov, M., 895
Grissom, P. M., 443, 446
Grivell, L. A., 279, 590, 593, 595, 596, 598
Groarke, J., 411
Grob, P. M., 826, 827, 830, 840
Groden, J., 646
Grodzicker, T., 631
Groebe, D. R., 275, 278
Grogan, T. M., 401
Groisman, E. A., 781
Grompe, M., 192, 193
Gronenborn, A. M., 150, 271, 273, 280, 755, 756, 759, 764
Gros, P., 388-91, 393-95, 398, 401-6, 408, 414, 415, 417
Grosjean, H., 716, 741
Gross, C. A., 165, 173, 350, 351, 357, 360, 363, 364, 773, 895, 896, 906
Gross, D. S., 42, 43
Gross, E., 881
Gross, G., 896
Gross, M. M., 624
Gross, S., 205
Grossman, A. R., 784
Grossman, L. I., 615
Grossman, M., 192, 193, 197, 198
Groudine, M., 893, 895, 920
Groudinsky, O., 594, 595
Gruenberg, J., 330, 331, 440
Gruissem, W., 297
Grumet, M., 110
Grunberg-Manago, M., 717
Grund, S. H., 389
Grundy, F. J., 754
Grunert, H. P., 673
Gruss, C., 43
Gruss, P., 640
Grütter, M. G., 139, 140
Gryka, M. A., 640
Grzadzielska, E., 910, 915, 916, 919
Gu, A., 242
Gu, M. X., 103, 104
Guan, K. L., 103, 105, 107, 111, 112, 115
Guare, J. P., 556, 574
Guarente, L., 162, 163, 165, 169, 170, 172, 175, 177, 178, 180
Guarente, L. P., 894, 896, 906
Guarneros, G., 918
Gudkov, A. V., 390
Guerini, D., 495
Guéron, M., 269
Guerrero, I., 843, 855, 862
Guerrier-Takada, C., 256, 259
Guest, J. R., 753, 783-86
Guiard, B., 352, 356, 359, 362, 375
Guidi-Rontani, C., 754, 773
Guild, B. C., 390, 414
Guilette, B., 826, 827
Guillou, Y., 660, 671, 675
Guillouzo, A., 399
Guirard, B. M., 4, 9, 21
Gullick, W. J., 517, 518, 524
Gunasekera, A., 755-57, 763, 764
Gunn, M., 473
Gunning, J., 835
Gunsalus, I. C., 4, 5, 10
Gunsalus, R. P., 783
Guo, C., 920
Guo, H. C., 901
Guo, Q., 590, 611
Guo, Z.-S., 31, 33, 36-38, 40, 50
Gupta, C. M., 489, 493, 497
Gupta, D. K., 130, 135
Gupta, R., 258, 259
Gupta, R. S., 364, 367, 395, 413
Gupta, S., 192, 193
Guptasarma, P., 810, 811, 813
Gurdon, J. B., 220, 324
Guroff, G., 470, 841, 842
Gussin, G. N., 774
Gustafsson, J. A., 247, 374
Gustafsson, P., 600
Gustchina, A. E., 545, 549, 572
Gutell, R. R., 258, 259, 277, 605
Guther, M. L. S., 93, 123-25
Guthrie, B., 359
Guthrie, C., 258
Gutierrez, C., 33, 40, 43
Gutierrez, J., 41
Gutierrez, L., 863, 864
Gutman, A., 853, 883
Gutmann, D. H., 873
Gutteridge, J. M. C., 803
Gutterman, J. U., 519
Gutweniger, H., 493
Guzikowski, A. P., 410
Guzzetta, A. W., 67
Gyoeva, F. K., 437, 440, 445
Gyorgy, P., 7

H

Ha, I., 168, 170-72, 177
Haack, J. A., 667
Haas, D., 784
Haas, E. S., 259
Haas, I. G., 350, 351, 362
Haas, J. R., 85
Haas, M. W., 37, 39
Haas, O. A., 401
Haas, R., 130, 134
Haase, S., 48, 54
Haase, S. B., 54, 57
Haasnoot, C. A. G., 272, 274, 275
Haber, D., 390, 398
Haber, D. A., 644
Haber, E., 355
Habets, W., 301
Habets, W. J., 306
Hachiya, H. L., 192, 193
Hackert, M. L., 24
Hackman, R., 193
Hackney, D. D., 433, 434, 436, 438
Haddad, G., 397, 401
Hadidi, A., 608
Hadlaczky, G., 306
Haenni, A.-L., 265
Hafen, E., 527
Hafner, M., 333
Hagag, N., 461, 470, 843
Hagan, I., 434, 435, 440, 442
Hagen, D., 917
Hager, D., 895
Hager, G. L., 862
Hagiwara, K.-I., 408, 474
Hahn, S., 163, 165, 166, 169-72, 175, 177, 178, 180, 778
Hahn, T., 193
Hahn, U., 660, 673
Haider, G., 36, 42
Haimo, L. T., 445, 446
Haldar, K., 124
Halden, N. F., 182
Halegoua, S., 461, 470, 471, 825, 835, 841, 843, 882
Halenbeck, R., 869, 871
Halevy, O., 640
Halfter, H., 842, 843
Hall, A., 462, 852, 853, 855, 860, 864, 869, 870, 882
Hall, D. H., 435, 442, 612
Hall, E. S., 443
Hall, K., 258, 263
Hall, K. B., 266
Hall, L. R., 103, 108, 109
Hall, M. N., 220, 221, 232-34, 237, 238
Hall, R. W., 86
Hall, S., 135
Hall, V., 646
Hallaq, Y., 132, 135
Hallberg, R. L., 364
Hallbook, F., 835, 839, 840
Halleck, M. S., 107
Hallenbeck, P. C., 89
Hallick, R. B., 591, 607
Halliwell, B., 803
Hallman, H., 306
Halpern, Y. S., 754
Halsall, D. J., 367
Halter, S. A., 520

Haltiwanger, R. S., 67, 221, 228, 231
Hama, T., 842
Hamada, H., 397, 398, 408, 410, 411, 413, 418
Hamada, K., 199
Hama-Imaba, H., 688
Hamilton, E. P., 778
Hamilton, S. R., 638, 646, 647
Hamlin, J. L., 45-47, 49, 52
Hamlin, R., 690, 691, 704, 816
Hamm, J., 222, 300, 301
Hammarback, J. A., 444, 446
Hampsey, M., 170, 172, 177
Hampt, D. M., 466
Han, M., 854
Hanafusa, H., 104, 458, 459
Hanamura, A., 760, 763, 774, 781
Hanaoka, F., 49
Hanas, J. S., 266
Hancock, J. F., 863, 864, 870
Hand, P. H., 855
Handa, H., 169, 171
Handeli, S., 45, 49, 54
Handford, P. A., 519
Hanecak, R., 844
Haner, M., 334
Hanessian, S., 79
Hanfland, P., 77
Hanks, S. K., 112
Hanley, C., 655, 656
Hanley, J. P., 166, 167, 170-73, 175, 177, 178
Hanna, M., 260
Hanna, M. M., 895, 900
Hannig, G., 107
Hanover, J. A., 220, 221, 228, 231, 386
Hansberg, W., 816
Hansen, J., 556
Hansen, P. E., 77
Hansen, P. K., 304
Hansen, T., 76
Hansen, U., 172, 177
Hansen, U. M., 897
Hanson, D. K., 595
Hanson, R. N., 509
Hanssens, I., 495
Hansson, G. C., 79
Hantzopoulos, P., 469
Harbour, J. W., 632
Harbrecht, D., 918, 919
Harder, K. W., 103
Hardesty, B., 263, 264
Hardin, C. C., 268
Hardin, J., 226, 227
Hardison, R. C., 192
Hardwick, K. G., 327, 339
Hardy, C. M., 600, 606, 616
Hardy, L. W., 140, 141
Hardy, S. J. S., 350, 356, 359
Hare, D., 687
Hargreaves, W. R., 520
Hariharan, I. K., 103, 110, 114
Hariharan, N., 169
Haring, E., 465
Harkins, R. N., 520
Harland, R. M., 53
Harlow, E., 630-35
Harman, D. A., 401
Harman, J. G., 753, 759-61, 775
Harper, J. E., 314
Harris, A. L., 638, 641
Harris, C. C., 636, 638, 643
Harris, C. J., 570
Harris, E. A. S., 199
Harris, H., 623
Harris, M. P. G., 38, 39
Harris, N., 640
Harris, R. J., 67
Harris, S. A., 5, 9
Harris, W., 518
Harrison, G. S., 197
Harrison, M. R., 193, 195
Harrison, R. W., 248
Harrison, S., 773
Harris-Warrick, R. M., 469, 825
Hart, A. C., 517, 526, 527, 529, 530
Hart, C. M., 910, 917
Hart, G. W., 66, 122-27, 129-31, 133
Hart, M. J., 462, 876, 877
Harter, C., 497, 501
HARTL, F.-U., 349-84; 350, 352, 354-56, 359, 362, 364, 365, 367, 368, 371, 372, 375, 378
Härtlein, M., 715-17, 719-22, 727, 733
Hartley, B. S., 717
Hartman, D. J., 352, 364, 367
Hartmann, E., 507
Hartmann, K. M., 266
Hartmann, O., 401
Hartmuth, K., 295
Hartshorn, M. J., 394
Hartstein, M., 401, 402, 404, 405
Hartwell, L., 640
Hartzell, G., 763
Hartzell, S. W., 37
HARVEY, D. J., 65-100; 79, 94, 640, 642
Harvey, M., 639, 642
Harvey, R. W., 235, 462
Harvey, S. C., 281
Harwood, C. S., 784
Harwood, J. P., 752
Hase, S., 67
Hasegawa, S., 166, 170
Haseltine, W., 199
Haseltine, W. A., 920
Haser, W., 842, 882
Hashiba, H., 624
Hashim, G. A., 840
Hashimoto, S., 841, 860
Hashimoto, T., 394
Hashimoto-Gotoh, T., 860
Haskins, M. E., 192, 193
Hassell, J. A., 34, 36-38, 42, 43, 56, 883
Hata, Y., 871, 876
Hatada, M. H., 545, 547, 556, 566, 568, 570
Hatat, D., 593, 596, 597, 615
Hatfield, G. W., 717, 727
Hatsumi, M., 434, 441
Hatsuzawa, K., 532
Hatton, K. S., 47
Hattori, N., 558, 578
Hattori, S., 843, 866, 871, 873, 877, 879, 882
Hattori, Y., 472
Hauber, J., 127, 197
Haugland, R. P., 264, 410, 413
Haun, R. S., 103, 110, 112, 114, 115
Haupt, H., 71, 75
Hauw, J.-J., 327
Haverkamp, J., 93
Hawkes, R. B., 139, 140
Hawkins, H. C., 665, 667, 677
Hawkins, S. A., 467
Hawley, D. K., 163, 165, 177
Hawley, R. S., 434, 435, 441
Hawse, A., 596, 616
Hawthorne, D. C., 593
Hay, D. A., 327
Hay, R. T., 30, 31, 34, 36-39, 41
Hayaishi, O., 17
Hayashi, K., 638
Hayashi, T., 624, 647
Hayer, M. K., 350, 351, 358, 360, 361, 366, 376, 377
Hayes, B. K., 93
Hayes, M. L., 272, 844
Hayflick, J. S., 517, 855
Hayman, M. J., 471, 472
Haynes, S. R., 295, 297
Haynie, D. T., 664
Hays, T. S., 443, 446
Haystead, T. A. J., 842, 882
Hayward, G. S., 43
Hayward, S. D., 43
Haziza, C., 753
Hazra, S. V., 132, 135
He, B., 863
He, L., 278, 434, 435, 440, 442
Heald, R., 334
Heaphy, S., 922
Hearst, J. E., 267, 281, 900
Heasman, J., 327, 328, 333, 336, 337, 340
Heath, B., 57
Heath, J. K., 471
Heaton, M. B., 839

Hebbar, S. K., 591
Hecht, M. H., 140
Hecht, S. M., 506, 507, 610
Heck, J. D., 717, 727
Heck, M. M. S., 46
Heckler, T. G., 506
Hedgecock, E. M., 435, 442
Heerma, W., 86
Hegerl, R., 373
Heidecker, G., 454, 882
Heideman, W., 872, 881
Heider, J., 720
Heike, Y., 397, 418
Heimbach, J. C., 544-46, 548, 549, 553, 572, 573
Heine, U., 31, 33, 36, 37, 40, 43
Heinemann, J. A., 616
Heinrikson, R. L., 374, 544, 545, 554, 555, 566, 567
Heins, S., 437
Heintz, N. H., 30, 45, 47, 48, 50, 54, 55
Heinz, D. W., 140, 142, 143
Heinzel, S. S., 54
Heitlinger, E., 334
Heitman, J., 220, 221
Hekman, C. M., 676
Held, P. G., 30, 50
Helder, J. C., 827-29
Heldin, C-H., 466, 467
Hélène, C., 735
Helenius, A., 329, 350, 351, 356, 362, 493, 495, 500
Helenius, J., 356
Helferich, B., 88
Helfman, D. M., 444
Hellerqvist, C. G., 80
Helling, R., 192
Helmann, J. D., 162, 165, 173, 895, 896
Helmreich, E. J. M., 20
Helser, T., 222
Helseth, E., 199
Hemmings, A., 546
Hemmingsen, S. M., 350, 352, 364, 365
Hempstead, B. L., 526, 827, 832, 833, 835, 840, 841
Henco, K., 268
Hendershot, L. M., 350
Henderson, E., 268
Henderson, G., 390, 393
Henderson, L. E., 545, 554, 555
Henderson, R., 498
HENDRICK, J. P., 349-84
Hendrickson, E. A., 31, 33, 36, 37, 43, 52
Hendrickson, W., 778
Hendrix, R. W., 350, 352, 364, 365, 367
Hendry, I. A., 837, 838
Hengge-Aronis, R., 782
Henikoff, S., 434, 435, 788
Henion, J. D., 85
Henkel, T., 245
Henkin, T. M., 754
Hennecke, H., 784
Henner, D. J., 904
Hennessy, K. M., 247
Henningsen, I., 689
Henrie, R. N., 689
Henriksen, U., 494, 508
Henriquez, R., 226
Henry, N. L., 175, 176, 179
Henry, S., 182
Henschen, A., 838, 839
Hensel, C. H., 638
Hensgens, L. A. M., 593, 595, 596, 598
Henson, J. H., 433, 440
Henzel, W. J., 517, 518, 522
Hepler, P. K., 325, 326, 332, 333, 336, 339
Herbert, E., 506
Herbert, M., 768, 769, 780
Herbst, E. J., 13
Herbst, J. J., 463
Herbst, R., 468
Hereford, L., 233
Hereford, L. M., 233, 234, 236
Hereld, D., 125, 126
Hergt, A., 808, 811, 812
Herlyn, D., 840
Herlyn, M., 837, 840
Herman, G. E., 192, 193
Hermetin, P., 71
Hermoso, J. M., 41
Hernandez, L. M., 94
Hernandez, N., 166, 167, 920
Herndon, C. S., 659, 668, 672
Herrera, G. E., 639
Herrera, R., 113, 465
Herrero, A., 784
Herrero, M., 782
Herrin, D. L., 597
Herrlich, P., 780
Herrup, K., 825, 838
Herschlag, D., 698
Herschman, H. R., 843
Hershfield, M. S., 703
Herskowitz, I., 182, 233, 241, 914, 917
Hertel, C., 841
Herterich, S. U., 35
Hertig, A. T., 324
Hertig, C., 394
Hertzberg, R. P., 266
Hervé, G., 233, 236
Herweijer, H., 389, 390, 401
Herzenberg, L. A., 469, 826
Herzog, C. E., 397
Herzog, V., 359
Hesketh, T. R., 330, 333
Heuer, J. G., 839, 840
Heumann, H., 896, 899
Heumann, R., 838, 839
Heus, H. A., 269, 277
Heuser, J., 330, 433
Heuser, J. E., 330
Heyduk, T., 758, 759, 763, 766, 769
Heyl, D., 9
Heynes, G. M., 350, 353, 372, 373
Heywood, P., 328, 340
Hibbs, A. R., 228, 243
Hibi, K., 116
Hicks, J., 440
Hicks, K. S., 73
Hiebert, S., 634
Higa, H. H., 93
Higashi, T., 73
Higashiyama, S., 517, 518, 520, 521, 527, 532
Higgins, C. F., 393, 399, 405, 413, 415, 417, 418
High, S., 507, 508
Higinbotham, K. G., 865
Higuchi, I., 297, 316
Hilbers, C. W., 262
Hiles, I. D., 393, 459
Hill, D. F., 839
Hill, K. A., 727, 728, 736, 742
Hill, R. E., 18
Hill, R. J., 456, 462, 463, 517, 518, 523, 533, 534
Hill, W. S., 868-70
Hillen, W., 762-64
Hillenkamp, F., 82, 83
Hiller, G., 327
Hiller, M. A., 227
Hilse, K., 301
Hilz, H., 245
Him, M. U., 804
Himelstein, A., 396, 418
Hindenburg, A., 386
Hinds, P. W., 640-42
Hindsgaul, O., 94
Hinek, A., 327
Hines, P. J., 30, 50, 52
Hingerty, B. E., 276
Hino, Y., 333
Hinrichs, S. H., 627
Hinshaw, J. E., 221, 223, 229
Hinton, D. M., 599, 612, 689
Hinz, H.-J., 675
Hinzmann, J., 825, 826, 835
Hirai, H., 474
Hirakawa, T., 878
Hirani, S., 71
Hiraoka, K., 877
Hiraoka, Y., 233, 234, 655, 656, 660, 664
Hirata, R., 597, 599, 613
Hiratsuka, J., 600
Hirel, P. H., 546
Hiroaki, H., 260
Hirohashi, S., 638

Hirokawa, N., 433, 434, 440, 446
Hirose, S., 132, 135, 162
Hiroyoshi, M., 876
Hirsch, J., 86
Hirsch, J. P., 182
Hirschberg, C. B., 133
Hirschman, S. Z., 262
Hirst, B. H., 413
Hirth, C. G., 489, 490
Hirvonen, H., 471, 472
Hisaka, M. M., 863, 867
Hisatake, K., 170, 171
Hitoi, A., 73
Ho, C. K., 731, 732
Ho, W. C., 339
Ho, Y. S., 631
Hoang, A. T., 36, 41, 42
Hoben, P., 717
Hochschild, A., 772
Hock, R. A., 193, 207
Hockenbery, D., 630
Hockensmith, J. W., 689, 710
Hodges, R. A., 599
Hodgson, E. K., 805
Hoe, M., 327
Hoeijmakers, J. H., 128
Hoeltge, G. A., 389
Hoet, M. H., 306
Hoey, T., 165-67, 169, 183
Hoff, T., 397
Hoff-Jorgensen, E., 12
Hoffarth, V., 256, 611, 716
Hoffman, C. S., 107
Hoffman, D. W., 301
Hoffman, E. K., 860
Hoffman, J., 74, 80
Hoffman, T., 572
Hoffmann, A., 165, 175, 352, 372, 373
Hoffmann, F. M., 110, 854
Hoffmann, K., 39, 42
Hofhaus, G., 364
Hofmann, J. F. X., 35, 50, 225
Hogan, A. G., 8
Hogan, B. L. M., 520, 525, 528
Hogan, C. J., 434, 440, 443
Hogeweg, P., 278, 279
Hoggett, J. G., 768, 769
Hogness, D. S., 54
Hogue-Angeletti, R., 825, 844
Hohn, B., 237, 364
Hohn, T., 364
Hoj, P. B., 352, 364, 367
Hojrup, P., 782
Holaday, D., 5
Holbrook, J., 367
Holbrook, S. R., 275-77
Holcomb, C., 532
Holcomb, E. R., 294, 298
Holden, J. T., 10, 870
Holder, A. A., 124
Holeman, J., 810
Holian, J., 799
Holland, E. C., 920, 922
Hollenbeck, P. J., 438, 440
Hollingsworth, H. C., 689
Hollinshead, M., 328, 329
Holl-Neugebauer, B., 352, 371
Holloway, M. K., 545, 566, 568, 574
Hollstein, M., 636, 638, 643
Hollstein, M. C., 638
Holm, M., 197
Holme, T., 80
Holmes, E. C., 204
Holmes, K. C., 358
Holmes, K. T., 395, 414
Holmes, S. G., 35
Holmes, W. E., 517, 518, 522
Holst, B., 767, 780, 782, 783
Holt, G. D., 221, 228, 231
Holt, J. T., 520
Holt, S. J., 327, 337
Hölttä, E., 882
Holtzman, D. M., 838
Holzbaur, E. L., 444, 446
Holzenburg, A., 221, 228
Holzmayer, T. A., 397
Hom, B. N., 433
Homans, S. W., 77, 79, 93, 94, 122-26
Honda, B. M., 350
Honda, S., 73, 79
Höner, B., 554
Hong, F. D., 627
Honig, B., 143, 146
Honkawa, H., 860
Honneger, A. M., 463
Honore, N., 784
Hood, L. E., 520
Hoof, T., 397
Hoogenraad, N. J., 352, 364, 367
Hooper, M. L., 195
Hoopes, B. C., 165, 918
Hopkins, C. R., 329
Hopkins, N. H., 256
Hoppe, J., 498
Hopper, A. K., 233, 236, 244
Hopwood, J. J., 95, 192, 193
Horabin, J. I., 297
Horak, E. M., 878
Horecka, J., 231
Hori, K., 689
Hori, Y., 876
Horikoshi, M., 163, 165, 166, 168-72, 175, 176
Horio, M., 399, 410, 411
Horiuchi, H., 863
Hornberger, C. S., 4
Horne, A. S., 441
Horning, M. G., 79, 94
Horovitz, A., 147
Horowitz, J. M., 627, 631, 632, 634
Horowitz, P. M., 352, 360, 366, 367, 371
Horowitz, S. B., 220
Horstmann, H., 229-31
Hortobagyi, G., 401
Horvath, S. J., 736, 742
Horvitz, H. R., 456, 459, 462, 523, 875, 880
Horwich, A. L., 350, 352-54, 356, 362, 365, 371-73, 375, 376
Horwitz, M., 34, 39
Horwitz, R., 907
Horwitz, R. J., 910, 911, 914, 916
Horwitz, S. B., 390, 391, 395, 397-99, 401, 402, 404, 405, 407-9
Hosaka, M., 532
Hosang, M., 826, 827, 841
Hoshi, M., 842
Hoshijima, K., 297, 316
Hoshino, M., 866, 879
Hoskins, J., 351, 361
Hostetter, R., 638
Hotani, H., 440
Hotta, H., 841
Hou, J. Z., 472
Hou, Y.-M., 717, 719, 721, 726, 733, 736, 741, 742
Houbavi, C., 183
Houchins, B. J., 555
Houck, K., 468
Hough-Evans, B. R., 53
Houghten, R. A., 675
Houliston, E., 440
Houman, F., 907, 908
Hounsell, E. F., 76, 81
Hountondji, C., 719, 723, 727
Housey, G. M., 882
Housman, D. E., 199, 212, 388-91, 393, 395, 398, 399, 401, 408, 414, 415, 525, 644
Houssaint, E., 472
Houston, H., 462
Howald, I., 220
Howard, A. D., 127, 324
Howard, B. H., 397
Howard, J., 432, 437, 438
Howard, S., 496
Howe, L. R., 882
Howe, W. J., 544, 545, 551, 553-55, 566, 569
Howell, E. E., 139, 140
Howell, N., 389
Howk, R., 103, 109, 519
Howley, P. M., 39, 631, 632, 635, 642, 643
Hoyt, M. A., 434, 435, 440, 442, 917
Hribar, J. D., 79
Hrycyna, C. A., 863

Hsiao, W.-L. W., 882
Hsu, C., 469, 826
Hsu, I. C., 638
Hsu, I. N., 545
Hsu, J., 410
Hsu, S. I. H., 390, 401, 402, 404, 405
Hsuan, J. J., 463, 870, 876
Hu, J. C., 773
Hu, P., 459
Hu, X. G., 471
Huang, A., 269, 275
Huang, C.-M., 630, 631, 634
Huang, E., 85
Huang, E. H., 517, 525, 532
Huang, E. J., 525, 529, 531, 533, 535, 536
Huang, H. J. S., 627
Huang, J. S., 463
Huang, L., 197, 782
Huang, S., 306
Huang, S. S., 463
Huang, Y. K., 876, 879
Hubbard, A. L., 332
Hubbard, J. M., 267, 281
Hubbert, N. L., 862
Hubbs, A., 365
Huber, B. E., 400
Huber, H. E., 688-90, 710
Huber, J., 835, 841
Huber, L. A., 331
Huber, P. M., 493, 494
Huber, P. W., 266, 267
Huber, R., 676
Huberman, J. A., 30, 32, 47, 52, 54
Hudgson, A. R., 276
Hudmundsson, G. H., 359
Hudson, D., 267, 304, 922
Hudson, J. M., 762, 781
Hudspeth, A. J., 432, 437, 438
Hudspeth, M. E. S., 615
Huebner, K., 103, 109, 830
Huet, C., 329
Huet, J., 163, 166
Huff, J. R., 544, 555, 570
Huffaker, T. C., 227
Huffman, W. F., 555, 556
Huganir, R. L., 112
Hughes, A. J. J., 688
Hughes, D. A., 870, 875
Hughes, J. J., 275
Hughes, P., 57, 754
Hughes, R. C., 88
Hughes, S. H., 199, 469, 831
Hughson, F. M., 665
Hui, J. O., 554, 556, 569
Huibregtse, J. M., 631, 632, 642, 643
Hukins, D. W. L., 276
Hull, M., 331
Hulmes, J. D., 525
Humber, D. C., 577, 578
Humbert, S., 171, 174
Humphrey, D. R., 123, 132
Humphrey, P. A., 638
Humphries, R. K., 193
Hunkapiller, M. W., 520
Hunt, J. V., 817
Hunt, L. T., 524
Hunt, R. T., 330, 331
Hunt, T., 634
Hunter, E., 501
Hunter, J., 413
Hunter, L., 199, 212
Hunter, R. J., 400, 409
Hunter, T., 101, 102, 104, 112, 350, 374, 459, 463, 467-69, 474, 836, 839
Hunter, W. N., 687
Huo, L., 778
Hurle, M. R., 659, 668, 670, 677
Hurley, T. R., 108
Hurt, E. C., 220, 221, 226, 228, 229, 231
Hurtley, S. M., 351, 362
Hurwitz, D., 464
Hurwitz, J., 31, 33, 36-38, 40, 43, 49
Hüss, A., 34
Hussain, A., 393, 405
Huszar, D., 193
Hutchings, B. L., 8
Hutchins, C. W., 576, 577
Hutchison, C. A. III, 545
Hutchison, C. J., 55
Hutchison, E. G., 364
Hutchison, J., 55, 57
Hutchison, K. A., 374
Hutton, J. J., 207
Hutton, T., 85
Hvidt, A., 655, 663
Hwang, J., 386, 387, 414
Hwang, S. T., 350, 351, 359, 362
Hyafil, F., 734
Hyams, J. S., 327, 339, 342
Hyde, C. C., 21, 668
Hyde, S. C., 393, 394, 399, 405, 413, 417, 418
Hyman, A. A., 432, 442, 446, 447
Hyman, R., 108, 130, 134
Hyrien, O., 53

I

Iavarone, A., 639
Ibanez, C. F., 469, 834, 835
Iborra, F., 183
Ichikawa, M., 391, 407, 408
Icho, T., 233
Igarashi, K., 773, 774
Iggo, R., 638, 641
Ignotz, R. A., 520, 532
Iguchi-Ariga, S. M. M., 48
Igure, A., 843
Ihle, J. N., 114, 116
Iida, C. T., 165, 166
Iida, H., 386
Ikawa, M., 10, 15, 16
Ikawa, S., 868
Ikawa, Y., 545, 877, 878
Ikeda, R. A., 688, 689
Ikeda, S., 391, 407
Ikeguchi, M., 401, 402, 655, 656, 660, 662-64, 672
Ikehara, M., 260
Ikenaka, T., 67
Ikezawa, H., 122
Ikuta, S., 687
Illiano, G., 88
Illmensee, K., 202
Imai, J., 558, 578
Imai, M., 894
Imai, N., 488
Imai, Y., 870
Imamoto, F., 894
Imamoto-Sonobe, N., 221, 239
Imler, J. L., 853, 883
Impallomeni, G., 85
Imperiale, M. J., 893
Improta, T., 116
Ina, S., 54
Inaba, M., 387, 388, 416
Inada, M., 272
Inagaki, F., 79, 518
Ine, P. S., 413, 416
Ingebritsen, T. S., 110
Ingebritsen, V. M., 110
Inghirami, G., 638
Ingles, C. J., 182, 895
Ingold, A. L., 433, 436, 437
Inoko, H., 894
Inokuchi, H., 600, 716, 736, 742, 743
Inomata, M., 94
Inostroza, J., 171, 175
Inoue, K., 297, 316
Inoue, S., 416, 432
Inoue, Y., 94
Inouye, H., 433
Inouye, M., 226, 241, 256, 356, 675, 780
Iofin, M., 146
Iovcheva-Dessev, C., 334
Ip, N. Y., 469, 470, 842
Ippel, J. H., 275
Iqbal, M. A., 47
Irani, M., 768
Irwin, N., 772, 781
Isaacs, W. B., 638
Isak, V. G., 804
Isbister, J. P., 401
Ishi, D. N., 840, 841
Ishibashi, T., 600
Ishida, B., 500
Ishihama, A., 773, 774, 896

Ishihara, K., 72
Ishihara, T., 673
Ishii, H., 209
Ishii, I., 72
Ishii, N., 368, 370
Ishii, S., 855, 860
Ishikawa, T., 854, 871, 881
Ishimi, Y., 36, 40, 42, 49
Ishino, M., 197
Ishino, S., 904
Ishizuka, I., 94
Isobe, M., 830
Israel, M. A., 639
Issa, V. M. K. V., 838
Itakura, K., 687
Itani, T., 48
Itaya, T., 208, 209
Ito, C. Y., 644
Ito, K., 369, 896
Ito, Y., 36, 37, 41-43
Itoh, H., 460, 461
Itoh, M., 109, 111, 113
Iuchi, S., 784, 786
Iversen, L. L., 837, 838
Ivy, S. P., 391, 400
Iwai, K., 197
Iwamoto, R., 239
Iwase, H., 72
Iwatsubo, M., 734
Izaurralde, E., 222, 223, 243
Izban, M. D., 902, 903, 923

J

Jack, W. E., 597, 599, 613
Jackson, D. I., 108
Jackson, E. N., 894
Jackson, J., 197
Jackson, S. E., 670, 677
Jackson, S. P., 166
Jacob, F., 894
Jacob, G. A., 180
Jacob, M., 312
Jacob, U., 353, 375
Jacob, W. F., 169
Jacobs, E., 204
Jacobs, J. W., 409
Jacobs, M. D. J., 784
Jacobs, S. A., 672
Jacq, C., 593-97, 613, 615
Jacquesson-Breuleux, N., 591
Jacquet, E., 875
Jacquet, M., 875
Jacquier, A., 258, 259, 591, 596-98, 602, 611
JAEGER, J. A., 255-87; 263, 278, 279
Jaehning, J. A., 162, 165, 173
Jaenicke, R., 350, 352, 355, 356, 366, 367
Jaffe, A., 753
Jahn, M., 716, 718, 736, 738, 739, 741, 743
Jakate, S. M., 397, 401
Jakes, R., 717, 735
Jaklitsch, M. T., 196
Jakubowski, H., 717
Jalink, K., 502
James, B. D., 258, 259
James, M. N. G., 545, 572
James, P., 497, 501
James, T. L., 270
Jamieson, D. J., 393
Jamieson, J. D., 337, 489
Jamison, S. F., 294, 296, 299, 304, 314
Jamsa-Kellokumpu, S., 411
Jan, L. Y., 524
Jan, Y. N., 517, 518, 523, 524
Jang, S. K., 641
Jani, A., 197
Jankelevich, S., 57
Jansen, C., 764
Jansen, R. P., 226
Janson, C. A., 816
Jansson, P. E., 94
Janzen, N. M., 103
Jaques, A., 72
Jaques, Y., 734
Jarnik, M., 221, 223, 228, 229
Jarosz, D., 641, 642
Jaroszewski, J. W., 412
Jarrell, K. A., 591
Jarvis, T. C., 689, 710
Jaskólski, M., 545-49, 555, 566, 567, 573
Jass, J. R., 646
Jay, J. C., 95
Jayaraman, P-S., 784
Jaye, M., 471-73
Jayko, M. E., 808-10
Jayson, G. G., 800
Jeang, K.-T., 922
Jeanloz, R. W., 88
Jeanteur, P., 306
Jefferson, D. M., 192, 193, 210
Jeffreys, A. J., 632
Jelinek, W. R., 50
Jencks, W. P., 698
Jendrisak, J. J., 162
Jeng, I., 837
Jeng, M.-F., 656, 664, 679
Jenkins, J. A., 545
Jenkins, J. R., 636
Jenkins, N. A., 525
Jenner, P. J., 599
Jennings, M. L., 484
Jennings, M. P., 753, 779
Jennings, P. A., 667
Jentoft, N. H., 93, 130, 134
Jeon, C. J., 902
Jerlstrom, P. G., 753
Jerva, L. F., 690, 695, 699, 709
Jessen, T. H., 301, 314
Jessup, J. M., 638
Jeyaprakash, A., 434, 435
Jhanwar, S., 525
Jhappan, C., 520
Ji, T. H., 483
Jiang, C., 443
Jiang, K., 81
Jiang, M.-V., 272, 275
Jiang, X.-W., 31
Jiao, S., 197
Jie, C., 833
Jin, D. J., 896, 906
Jing, S., 469, 827, 832, 834, 836, 838, 839, 841, 842
Jing, S. Q., 832, 836
Jirik, F. R., 103
Joenje, H., 413
Joh, T., 56
Johal, L., 920
Johansen, K. M., 518, 519
Johansen, S., 592, 593
John, J., 865-67, 869-71, 877
Johnsen, M., 877
Johnson, A. E., 506, 507
Johnson, A. W., 245
Johnson, B. F., 342
Johnson, C., 103, 358
Johnson, D., 295, 297, 469, 826
JOHNSON, D. E., 453-81; 471-73
Johnson, D. I., 863
Johnson, E. M., 32, 47, 48, 50, 52
Johnson, E. M. Jr., 830, 838-40
Johnson, G. L., 826-28, 840
Johnson, G. R., 521
Johnson, J., 275, 276
JOHNSON, K. A., 685-713; 103, 686, 689-93, 695, 696, 698-701, 703-6, 709, 710
Johnson, K. H., 263
Johnson, L. L., 914, 915
Johnson, M. D., 882
Johnson, M. R., 874
Johnson, M. S., 601, 609, 613, 863
Johnson, P., 108, 114
Johnson, P. A., 199
Johnson, P. F., 162, 244
Johnson, R. A., 365
Johnson, R. K., 387, 388, 416
Johnson, W. C. Jr., 263
Johnston, C. G., 46
Johnston, C. L., 462
Johnston, D. E., 192, 193, 210
Johnston, G. C., 223
Johnston, J. F., 854
Jokerst, R. S., 182
Jolly, D. J., 192, 197
Jolly, K. W., 639
Jonak, G., 234
Jones, E. A., 327, 328, 333, 336, 337, 340
Jones, K. A., 920, 922

Jones, M. H., 258
Jones, P. F., 469
Jones, R., 106, 111, 258
Jones, S. N., 192, 193, 462, 874
Jones, S. W., 110
Jones-Villeneuve, E. M. V., 115
Jongsma, A. P. M., 389, 391
Jonk, L. J. C., 115
Jonsson, A-K., 457
Jordan, E. G., 223
Jordan, F., 356, 675
Jordan, R., 350, 358, 366, 376
Jørgensen, B. B., 498
Joseph, D. R., 733
Joseph, E., 752
Joseph, G., 226, 304
Josephs, S. F., 920
Joshi, A., 414
Josic, D., 71
Joslyn, G., 646
Jost, C. A., 103
Jourdian, G. W., 88
Jove, R., 374
Jovin, T. M., 55, 258
Joyce, C. M., 690-92, 701, 704
Joyce, G. F., 260, 605
Jucker, F. M., 272
Judd, S. R., 863
Jue, D. M., 526
Jukes, T. H., 5
Juliano, R. L., 387
Jung, C. Y., 395
Jung, G., 842, 843
Jung-Testa, I., 350, 374
JunMa, Y., 839
Juranka, P. F., 389, 390, 393
Jutila, M. A., 535

K

Kaaret, T. W., 280
Kabcenell, A. K., 877
Kabiling, A. N., 352, 375
Kaboord, B. F., 695, 697
Kabsch, W., 358, 867
Kachar, B., 433, 440
Kadam, S., 576, 577
Kadner, R. J., 779
Kadonaga, J. T., 162, 169, 170, 172, 177, 860
Kadowaki, T., 244
Kadyk, L., 640
Kaethner, M. M., 717
Kafatos, F. C., 46, 192
Kageyama, S., 690
Kagi, J. H., 275
Kahle, P., 841
Kahn, C. R., 464-66
Kahn, D., 784
Kahn, J. D., 764
Kahn, R. A., 337
Kahn, R. C., 350, 353, 374
Kaibuchi, K., 462, 876, 877
Kainz, M., 896, 900
Kaipia, A., 839
Kaiser, A. D., 350, 352, 364, 365
Kaiser, C. A., 337, 342
Kaiser, E. T., 489, 503, 504
Kakefuda, T., 364, 365
Kakehi, K., 79
Kakehi, Y., 397, 401, 404
Kal, A. J., 39, 50
Kalderon, D., 235-37
Kaleko, M., 193, 199
Kalicky, P., 489
Kalinich, J. F., 237, 238
Kalk, K. H., 500
Kallenbach, E., 222
Kallenbach, N. R., 142
Kalnins, V. I., 115
Kalousek, F., 350, 352, 364, 365
Kalyankar, G. D., 15
Kamakaka, R. T., 162
Kamata, N., 522
Kamata, T., 94, 843, 866, 876, 879
Kamath, A. V., 24
Kamath-Loeb, A., 361
Kamatkar, S., 112
Kamen, B. A., 135
Kamen, R., 37, 38
Kamen, R. A., 400
Kamerling, J. P., 72, 73, 77, 86, 93, 94
Kameyama, L., 918
Kamijo, K., 394
Kamimoto, Y., 410
Kamimura, S., 437
Kaminski, P. A., 784
Kamitani, T., 132, 135
Kammerer, W., 897
Kan, M., 472
Kanamaru, H., 401
Kanbay, F., 607
Kanbe, T., 328
Kanda, P., 234
Kane, C. M., 268, 893, 895, 897, 900, 902, 920
Kane, P. M., 597, 599, 613
Kane, S. E., 389, 390, 395-97, 400, 404
Kaneda, Y., 197, 234
Kang, P.-J., 350, 351, 356, 361, 362, 375
Kanki, J. P., 330, 332, 333, 337
Kantoff, P. W., 193, 200, 396
Kantor, T. G., 94
Kao, C. C., 165
Kao, S-Y., 920, 921
Kao-Shan, C. S., 391
Kapeller, R., 465
Kaper, J. M., 608
Kapikian, A. Z., 199
Kaplan, D. R., 457, 458, 467, 469, 470, 473, 526, 827, 832-36, 840-43, 879
Kaplan, J. G., 228
Kaplan, K. B., 329
Kaplan, L., 835
Kaplan, O., 412
Kaplan, R., 103, 109
Kaplan, S., 868
Kaplow, J. M., 471-73
Kappelhoff, B., 608
Kaptein, L. C. M., 412
Kaptein, R., 79, 270
Karacostas, V., 544, 555
Karamysheva, A., 468
Karaoglu, D., 267
Karas, M., 82, 83
Karas, R. H., 641
Karaszkiewicz, J. W., 409
Karin, M., 883
Karlsson, H., 79
Karlsson, K.-A., 79
Karlsson, S., 192, 193
Karn, J., 290, 297, 298
Karpel, R. L., 275, 298, 300, 303, 305, 310, 315
Karpen, G. H., 55
Karplus, M., 270, 355, 671, 679
Karrer, R., 81, 86
Karsenti, E., 431, 443
Karson, E. M., 192, 193, 195
Kartner, N., 390, 395, 397, 401, 408
Kasai, T., 894
Kasaian, M. T., 825
Kashanchi, F., 921, 922
Kashina, A. S., 437, 445
Kashishian, A., 457, 460, 880
Kashles, O., 456, 463
Kashlev, M., 895-97, 899
Kasid, A., 203
Kassavetis, G. A., 899, 903
Kassel, J., 640
Kassenbrock, C. K., 351, 362
Kastan, M. B., 642
Kastner, B., 290
Kataoka, I., 398
Kataoka, M., 355, 658, 659
Kataoka, N., 297
Kataoka, T., 853, 854, 864, 871, 881
Katayama, M., 863
Kates, J. R., 343
Kathe, S. D., 592, 593, 611
Kati, W. M., 690, 695, 699, 709
Kato, H., 175, 922
Kato, K., 94
Kato, S., 400, 402, 656
Kato, T., 273
Kato, Y., 810, 813
Katoh, I., 545
Katula, K. S., 53
Kaudewitz, F., 595

Kauer, J. C., 489, 503, 504
Kaufmann, G., 31
Kaufmann, M., 401
Kavabouser, C., 401
Kavanaugh, W. M., 457, 458, 459
Kawabata, S., 67
Kawada, K., 494, 508
Kawaguchi, T., 171, 172, 177, 179
Kawakami, M., 842
Kawakishi, S., 810, 813
Kawakita, M., 866, 879
Kawamura, M., 877
Kawamura, S., 876
Kawasaki, E. S., 517, 524, 532, 536
Kawasaki, H., 597, 599, 613
Kawasaki, T., 94
Kawasaki, Y., 361
Kawashima, T., 446, 524, 527
Kawata, M., 462, 863, 877
Kawata, Y., 369
Kay, B. K., 295, 297
Kay, J., 545, 555, 572
Kay, L. E., 271, 273
Kayano, T., 464
Kaye, F. J., 627, 632
Kazarov, A. V., 390
Kaziro, Y., 460, 461, 864, 877, 878
Kazlauskas, A., 457, 460, 880
Ke, X.-H., 524
Kean, J. M., 266
Keana, J. F. W., 487, 505, 506
Kearney, C. A., 899
Kearney, J. F., 350
Kearsey, S., 53
Keating, K. M., 300, 303, 310
Kedar, P. S., 883
Kedinger, C., 182
Keeble, W. V., 521, 527
Keegan, K., 471, 472
Keegan, L. P., 234
Keenan, T. W., 124, 134
Keene, J. D., 296, 300, 301, 304, 905
Kehrer, J. P., 817
Keizer, H. G., 413
Kelleher, D. J., 827, 828, 840
Kelleher, R. J., 162, 165, 166, 169, 183
Keller, A.-M., 608
Keller, E. B., 860
Keller, W., 292, 316
Kelley, D. E., 169
Kelley, M. R., 518
Kelley, R. L., 609
Kelley, W. N., 207
Kellis, J. T., 143, 660, 661, 673
Kellis, J. T. Jr., 659, 669
Kellner, R., 510
Kellogg, D., 432
Kellogg, G. W., 274
Kelly, B., 520, 532
Kelly, G. D., 817
Kelly, P., 759, 761
Kelly, R. B., 351, 362
Kelly, R. E., 49
Kelly, T. J., 30, 34, 36, 38, 39, 41, 42
Kelly, W. G., 67
Kemler, R. M., 37, 42
Kemp, S. D., 690, 692, 709
Kemper, O., 535, 537
Kemper, W. M., 162, 170
Kempf, D. J., 544, 545, 548, 553, 555, 561, 573-76
Kemple, M. D., 264
Kenan, D. J., 296, 300, 301, 304
Keng, T., 717
Kennard, O., 687
Kennell, D., 265
Kennell, J. C., 609, 614
Kent, S. B. H., 546, 558, 569
Kerem, B.-s., 394
Keresztesy, J. C., 5
Kern, F. J., 38, 43
Kern, H., 226, 228, 229, 231
Kern, R., 57
Kern, S. E., 630, 641, 642, 647
Kerns, B. J., 638
Kerppola, T. K., 893, 895, 902, 920
Kerr, I. M., 517, 518, 524
Kerr, S. E., 646, 647
Keser, M., 88
Keski-Oja, J., 882
Kessel, D., 386, 387, 416
Kesselmeier, C., 554
Kessler, S. W., 210
Ketterer, B., 399
Kettering, C. F., 328
Kettner, C. A., 545
Kew, M., 638
Kew, Y., 192
Keydar, I., 468
Keys, R. D., 868, 870
Kezdy, F. J., 554
Khan, M. Y., 660
Khan, S., 438
Khanna-Gupta, A., 222
Khechinashvili, N. N., 657, 664
Khoo, J. C., 817
Khorana, H. G., 483, 489, 491, 493, 497
Khosravi-Far, R., 332, 867
Khursheed, B., 248, 350, 353, 374
Kidd, S., 518
Kieffer, B. L., 489
Kiefhaber, T., 660, 673
Kiermayer, O., 328
Kierzek, R., 260, 262, 264, 278
Kihana, T., 638
Kihara, H., 10, 14
Kiho, Y., 239
Kiji, Y., 48
Kikuchi, A., 49, 462, 871, 876
Kikuchi, J., 416
Kikuchi, R., 624, 647
Kiledjian, M., 294, 297, 298, 303, 305, 307
Kiley, P. J., 783
Kill, I. R., 55
Killeen, M., 170, 172, 177, 178
Killeen, M. T., 173, 177
Killerman, J., 316
Killos, L., 197
Kiltz, H. H., 290, 294, 297, 298
Kim, H. K., 459, 463
Kim, H. S., 842
Kim, H. Y., 740
Kim, J. G., 459, 463, 759-61, 765, 784
Kim, J. J. P., 275
Kim, J. W., 459, 463
Kim, K., 812, 813, 816
Kim, M-K., 784
Kim, P. S., 355, 655, 661, 663, 667, 672, 674, 675, 679
Kim, R., 866
Kim, S.-H., 258, 275-77, 590, 864, 866
Kim, U.-H., 842
Kim, W. Y., 182, 183, 532
Kim, Y., 597
Kim, Y. T., 689, 710
Kimberling, W. J., 647
Kimble, J., 518
Kimchi A., 630, 642
Kimelman, D., 471
Kimizuka, F., 781
Kimura, H., 517, 518, 521, 527, 532
Kinchington, D., 555, 558
King, C. R., 522
King, D. S., 863
King, I. N., 116
King, J., 225, 675
King, J. L., 588
King, L., 519
King, M. W., 535
King, S. M., 432, 445
King, Y.-T., 597
Kingston, R. E., 42, 44, 182, 899
Kinniburgh, A. J., 290
Kinoshita, J., 817
Kinsella, B. T., 863
Kinsman, S., 838
Kintner, C., 518
Kinzler, K. W., 638, 641-43
Kioka, N., 397, 400, 404
Kirby, J. P., 486
Kirlappo, H., 197, 198
Kirschner, K., 668

Kirschner, L. S., 401, 402, 404, 405
Kirschner, M. W., 55, 106, 111, 334, 471
Kisanuki, S., 558, 578
Kishi, K., 877
Kishihara, K., 115
Kishimoto, T. K., 535
Kisiel, W., 67
Kiss, J. Z., 340
Kita, N., 670
Kita, Y., 863
Kitajima, S., 171, 172, 177, 179
Kitamikado, M., 89
Kitamura, M., 88
Kitas, E., 109, 111, 113
Kitayama, H., 877, 878
Kitch, B., 469, 474
Kjems, J., 592, 594
Klagsbrun, M., 471, 517, 518, 520, 521, 527, 532
Klar, A., 45, 49, 54
Klatt, O., 14
Klatzmann, D., 197
Klausner, R. D., 115, 337, 351, 362
Klebanoff, S. J., 803
Klehr, D., 56
Klein, F., 225
Klein, G., 623
Klein, H. W., 20
Klein, R., 469, 470, 827, 832, 834, 836, 838-42
Klenow, H., 689
Klevecz, R. R., 327
Kline, P. C., 272, 274
Klip, A., 491
Klug, A., 276, 765
Kluskens, L. F., 389, 395
Knapp, G., 244, 265
Knaus, R., 766, 772
Kneale, G., 687
Knigge, D. W., 575
Knight, B. C. J. G., 5
Knight, D. M., 917
Knighton, D. R., 112
Knill-Jones, J. W., 700, 716, 719, 726, 728, 730, 731
Knipe, D. M., 234
Knippers, R., 49
Knoop, M.-T., 556
Knowler, J. T., 290
Knowles, B. A., 434, 435, 441
Knowles, J. R., 483, 487
Knowlton, R., 739
Knudson, A. G. Jr., 626
Knust, E., 518
Knuth, M. W., 169
Ko, M., 843, 853
Kobata, A., 66, 72, 73, 87-90, 94
Kobayashi, H., 387, 388, 416
Kobayashi, I., 328
Kobayashi, N., 440
Kobayashi, T., 330, 332
Kobayashi, Y., 172
Kobrin, M. S., 521
Koch, A., 464
Koch, B. D., 350, 351, 359
Koch, C. A., 104, 113, 458, 459, 870, 879, 880
Koch, G. L. E., 326, 336, 717, 735
Koch, J. L., 591
Kochel, T., 180
Kochetkov, N. K., 94
Koda, T., 469, 836
Kodaira, R., 754
Kodukula, K., 127-29, 132
Koegl, F., 7
Koff, A., 33, 34, 36
Kohara, Y., 31
Kohda, D., 79, 518
Kohiyama, M., 57, 754
Kohji, E., 896
Kohl, N. E., 544, 545, 863
Kohlbrenner, W. E., 573, 574, 576, 577
Kohlstaedt, L. A., 690, 709
Kohn, D. B., 192, 193
Kohno, K., 228, 350, 400, 402, 416
Kohno, T., 535
Kohr, W. J., 127, 128, 527, 528, 531
Kohwi, Y., 56
Kohwi-Shigematsu, T., 56
Koizumi, S., 842
Kokubo, T., 170
KOLB, A., 749-95; 756a, 763-72, 774, 779, 780, 782, 893, 896
Kolch, W., 454, 882
Kole, R., 314
Koleske, A. J., 167, 183
Koll, H., 352, 375
Koller, A., 220, 221, 232
Koller, K. J., 526, 830
Koller, Th., 43, 49
Kollman, P. A., 280, 510
Kolman, J. L., 57
Kolocheva, T. I., 895
Kolodner, R. D., 245
Kolodziej, P. A., 162, 183
Kolpak, F. J., 258
Kolsteeg, C. E. M., 94
Komano, T., 395, 396, 400, 404, 411, 414
Kominos, D., 458
Komissarova, N., 350, 351, 361, 371, 378
Komma, D. J., 441
Konarska, M. M., 268
Kondo, K., 226, 241
Kondo, T., 72
Kondor-Koch, C., 221, 228
Konforti, B. B., 358
Kong, X. P., 690
Koning, T. M. G., 270
Konings, D. A. M., 278, 279
Konishi, J., 370
Kono, M., 600
Konvalinka, J., 566
Koo, P., 400
Kooh, P. J., 518
Kooiman, P. M., 390, 393
Koonce, M. P., 446
Koorevaar, A., 94
Kop, J., 258
Kopczynski, C. C., 518
Kopnin, B. P., 390
Kopoldova, J., 800, 808, 810
Koprowski, H., 827, 830, 837, 841
Kops, L. E., 162, 170
Korhonen, J., 471, 472
Korn, E. D., 358
Korn, L. J., 461
Kornberg, A., 30, 31, 688, 689, 702, 710
Kornberg, R. D., 162, 165, 166, 169-71, 174-77, 179, 181, 183, 184, 221, 238, 239
Kornfeld, S., 93, 94, 464
Korrel, S. A. M., 72
Korsching, S., 837
Korsmeyer, S., 630
Koshland, D. E. Jr., 758
Kosik, K. S., 433, 441
Koski, R. A., 522, 523
Kossiakoff, A. A., 146
Kostrub, C. F., 172
Kotin, R. M., 199, 212
Kotlarz, D., 764, 770
Kotylack, Z., 593
Kouchalakos, R., 826, 827
Koukolíková, Z., 237
Koukoulis, G. K., 397, 401
Kovacik, V., 86
Kovacina, K., 465, 466
Kovacina, K. S., 466
Kovesdi, I., 634
Kowalski, D., 30, 35, 50, 54
Kowalski, L. R. Z., 226, 241
Kowalski, M., 199
Koyasu, S., 353, 374
Kozasa, T., 460, 461
Kozlowski, S. A., 687
Kozutsumi, Y., 94, 228, 350, 351, 362
Kraft, A. S., 883
Krainer, A. R., 314, 315
Krakow, J. L., 125-27
Krakow, J. S., 756-59, 761, 764, 769, 774, 900
Kramer, G. W., 672
Kramer, H., 517, 526-30
Krance, R. A., 205

Kraus, M. H., 522
Kraus, R. J., 165, 168, 169
Krause, A., 39, 42
Krauskopf, A., 902
Krauss, G., 35
Krauss, J. C., 192, 193
Kraut, J., 139, 140, 666, 742, 867
Kravit, N. G., 444, 446
Krca, S., 394
Krebs, E. G., 103, 112, 115
Krebs, J., 495
Kreibich, G., 495, 496
Kreider, B., 840, 841
Kreiner, T., 330, 331, 333
Kreis, T. E., 339
Krejci, E., 128
Kremer, N. E., 470, 471, 825, 835, 844
Krengel, U., 867, 870
Kress, C., 37, 42
Kress, M., 636
Kretschmer, P. J., 197
Krichevskaya, A. A., 290
Krieg, U. C., 350, 351, 362, 507
Kriegler, M., 391, 395, 397, 404, 414, 526, 528, 529, 531, 532
Kriegstein, H. J., 54
Krikliviy, I. A., 722
Krishnamachari, N., 275
Krishnaswamy, S., 276, 716, 718, 719, 722, 723, 736
Krohn, A., 545, 570
Krohne, G., 228, 231
Krolczyk, A., 398, 400, 409
Kroos, L., 173
Krude, T., 49
Krudy, G., 728
Krueger, N. X., 103, 108-10, 112
Kruger, W., 182
Kruijer, W., 115
Krumlauf, R., 860
Krummel, B., 766, 896, 899, 903
Kruszewska, A., 592, 593
Krysan, P., 48, 54
Krysan, P. J., 54
Kuang, W.-J., 338, 525
Kubasek, W. L., 689, 710
Kubota, A., 169, 171
Kuchler, K., 394, 395
Kuchta, R. D., 689, 691, 693, 695-98, 704, 708
Kück, U., 600, 608
Kudlicki, W., 597
Kudlow, J. E., 521, 527, 532
Kuechler, E., 297
Kuempel, E. D., 180
Kugoh, H. M., 624
Kuhl, W., 192, 193
Kuhn, L. C., 222
Kuhsel, M. G., 592, 593, 611
Kuijpers, H., 306
Kuiper, C. M., 397, 412
Kuiper, M. T. R., 609, 614
Kujawinski, E., 272
Kujubu, D. A., 843
Kukla, M. J., 690, 709
Kuksis, A., 123, 125, 126
Kula, M., 717, 719, 723
Kulik, W., 86
Kumagai, A., 106, 111
Kumamoto, C. A., 352, 359
Kumar, A., 270, 294, 295, 300, 303, 305, 310, 315
Kumar, N., 437, 445
Kumar, S., 753, 841
Kumar, S. A., 759, 900
Kumjian, D. A., 467
Kung, H., 258
Kung, H.-F., 843, 854, 866-68, 875-77, 879, 882
Kunkel, B., 173
Kunkel, T. A., 686, 687, 690, 701, 756, 757, 764, 774
Kuno, K., 35
Kuno, S., 17, 35
Kuntz, I. D., 575
Kunz, J., 220, 221, 232
Kuo, J. F., 409
Kuo, M. T., 401, 402
Kuo, T., 391
Kupfer, A., 336
Kurachi, K., 192, 193
Kurachi, S., 192, 193
Kuranda, M. J., 246
Kurelec, B., 394
Kurihara, T., 225, 228, 237, 240, 242, 243, 361, 901
Kuriyama, R., 435, 448
Kuriyan, J., 690
Kuroda, M. I., 904
Kurono, M., 73
Kurzchalia, T. V., 507, 510
Kusmierek, J. T., 266
Kustu, S., 912
Kuszak, J. R., 389, 395
Kutyshenko, V. P., 665
Kuwabara, M. D., 266
Kuwajima, K., 355, 356, 655, 656, 659, 660, 662-66, 669-73
Kuwano, M., 400, 402, 416
Kuwazuru, Y., 391, 407
Kuypers, F. A., 134
Kuzmic, P., 576
Kuznetsov, S. A., 433, 436-38, 440, 445
Kuzumaki, N., 209
Kwakman, J. H., 279
Kwee, C., 863
Kwiatkowski, S., 488
Kwon, B. S., 830
Kyle, D. E., 394
Kypr, J., 760
Kypta, R. M., 467
Kyriakis, J. M., 842, 883

L

Labbé, J. C., 106, 329, 330, 334
Labhardt, A. M., 655, 656, 659
Labouze, E., 740
Labow, M., 641, 642
Lacal, J. C., 862, 866, 877, 882
Lacal, P. M., 862
Lacey, M. L., 445, 446
Lachance, P., 883
Lacy, E., 192, 197
Ladner, M. B., 517, 524, 532, 536
Laremina, R. L., 304
LaForgia, S., 116
Lahiri, D. K., 307, 311
Lahm, H.-W., 526, 830
Lai, K.-M., 624
Lai, S.-L., 400, 401, 632
Lai, S. Y., 278
Laiho, M., 527, 528, 532
Laiminis, L. A., 40
Laine, R. A., 86
Laird, C. D., 308
L'Allemain, G., 882
Lam, S., 735
Lamb, M. M., 222, 308
Lamb, N. J. C., 334
Lamb, P., 636
Lamballe, F., 469, 470, 836, 838-40, 842
Lambert, D. M., 545, 548, 553-56, 566, 573
Lambie, E. J., 226, 227
LAMBOWITZ, A. M., 587-622; 588, 590, 592, 594, 595, 605, 608, 609, 611, 614-16
Lambris, J. D., 71
Laminet, A. A., 352, 356, 367, 371
Lamond, A. I., 305, 306
Lamont, G. S., 126
Lamph, W. W., 882
Lanahan, A., 469, 826
Lanahan, A. A., 839
Lanctot, A. M., 193
Land, H., 199, 640
Landau, N. R., 199
Landick, R., 894-96, 899-901
Landis, S. C., 835
Landoulsi, A., 754
Landreth, G. E., 841, 842
Landrum, D. C., 95
Landry, S., 54, 350, 358, 366, 376
Landry, S. J., 358, 375, 376

Landy, A., 765, 777
Lane, A. H., 831
Lane, D. P., 34, 630, 631, 638, 641, 642
Lane, P., 863
Lane, W. S., 169-71, 375
Lanford, R. E., 236-40
Lanfrancone, L., 459, 464
Lang, B. F., 594, 595, 600, 607, 608, 612, 616
Langdon, S. P., 729
Lange, R., 782
Langenbuch-Cachat, J., 489, 490
Langer, T., 350-52, 358, 360, 361, 365-68, 371, 376, 377
Langevin, G. L., 233, 234, 236
Langle-Rouault, F., 197, 198
Langley, K. E., 525, 533
Langridge, R., 575
Lankelma, J., 412
Lankhorst, P. P., 272, 274, 275
Lanzer, M., 781
Lapalme, G., 281
Lapatto, R., 546, 825, 832, 835
LaPointe, J. W., 162, 169, 717
Larder, B. A., 690, 692, 709
Large, T. H., 827-30
Larhammer, D., 830
Laroche, T., 56, 57, 223, 225
LaRossa, R., 352, 365
Larsen, I., 104, 456, 459
Larsen, J. E. L., 782
Larsen, N., 592
Larson, D. D., 32, 37, 47
Larson, R., 401
Laskey, R. A., 53, 55, 57, 220, 221, 223, 232, 246, 247, 327, 350
Laskowski, M., 265
Laspia, M. F., 920, 921
Latham, J. A., 266, 267
Latham, K. M., 624
Lathan, B., 397
LaThangue, N. B., 634
Lathrop, R. H., 719, 723
Latter, G. I., 753
Lau, K., 517, 520, 521, 532
Lau, L. F., 107, 905, 906, 911, 914
Laube, L., 197
Laudenbach, D. E., 784
Lauer, J., 192
Lauffenberger, D. A., 463
Laule, G., 88
Lauren, S., 532, 533
Laurents, D. V., 657
Lauris, V., 465
Lautwein, A., 865, 866, 869, 870
Lauver, A. V., 831
Laverty, T. R., 456, 462, 854
Lavigne, M., 768, 769, 780
Lavigueur, A., 639
Lavine, C. H., 500
Lavoinne, A., 464
Law, D. T. S., 351, 362
Law, H. Y., 327
Law, M.-F., 199
Lawrence, C., 596
Lawrence, J. B., 103, 223, 635
Lawson, A. M., 81
Lax, I., 519
Laybourn, P. J., 181, 183
Laymon, R. A., 433, 439
Lazar, C. S., 463
Lazarovici, P., 842
Lazdunski, M., 489, 490
Lazinski, D., 910, 911, 914, 916, 919
Lazowska, J., 592-97, 599, 606, 607, 613
Le, S.-Y., 278, 279
Leaf, D. S., 330, 332, 333, 337
Leason, K. R., 901
Leatherbarrow, R. J., 716, 719, 728
Lebeau, M.-C., 350, 374
Lebedev, A., 895
Leberman, R., 715-17, 719-22
LeBlanc, J. F., 165
Lebo, R., 391
Lebovitz, M. D., 397, 401
Lebwohl, M., 841
Lechner, C., 401
Lechner, J., 94
Lechner, R. L., 689
Lecker, S. H., 350, 359
LeCorre, D., 727, 733
Ledbetter, J. A., 876
Leder, P., 208, 472, 517, 525, 528, 529, 531, 533, 534
Lederer, F., 727
Lederer, H., 896, 899
Ledley, F. D., 193, 206
Leduc, E. H., 306
Lee, A., 526, 830
Lee, C.-P. L., 742
Lee, D. C., 520, 521, 527, 531, 534, 535
Lee, D. K., 165
Lee, D. N., 896, 899-901
Lee, E. Y.-H. P., 632
Lee, G.-H., 350, 353, 372, 373, 400
Lee, J. C., 758, 759, 763, 766, 769, 895, 896
Lee, J. M., 182, 184, 517, 518, 522
Lee, J. S., 182
Lee, J. Y., 896, 897
Lee, K-F., 835
Lee, N., 778
Lee, P. L., 471, 472
Lee, P. S. Y., 872
Lee, R. T., 193
Lee, S. A., 409
Lee, T., 525, 526
Lee, W.-C., 226, 239-41, 297
Lee, W.-H., 627, 629, 632, 634, 640
Lee, W. K., 860
Lee, W. M. F., 54, 363
Lee, Y. C., 72, 73
Lee, Y. S., 817
Leeman, S. E., 489, 504
Lees, M. S., 374
Lees-Miller, J. P., 444
Lees-Miller, S. P., 636
Leevers, S. J., 882
Leffak, M., 48, 52, 54
Leffler, H., 79
Lefort, C. R., 800
Legault, P., 272
Legius, E., 873
LeGouar, M., 233, 236
Legrain, P., 222, 243, 316
LeGrice, F. J., 907
Le Grice, S. F., 758
LeGrice, S. S. G., 773
LeGuellec, K., 435, 447
Le Guellec, R., 434, 435
Lehman, I. R., 34, 689, 703
Lehner, C. F., 222, 226, 242, 307, 338
Lehtola, L., 883
Lehtonen, H., 226
Lehväslaiho, H., 883
Leimgruber, R. M., 830
Leis, J., 545, 548, 554, 555, 573
Leit, M., 411
Lejeune, P., 784
Lelay, M.-N., 297
Lelong, I. H., 408, 410, 411, 415, 417
Lemansky, P., 130, 135
Lemerle, J., 401
Lemieux, C., 592, 593, 596-98, 605
Lemischka, I. R., 193
Lenaers, G., 106, 111
Lengeler, J., 752
Lengeler, J. W., 752
Leno, G. H., 57, 246
Lenschow, D., 193
Lentz, M., 34
Lenz, A.-G., 817
Leon, A., 840
Leon, J., 855
Leon, M. B., 196
Leonard, C. K., 67
Leonard, D., 116, 877
Leonard, K. R., 364
Leonard, N. J., 263
Leoni, L., 47
Leprince, D., 883
Leptak, C., 716
Lerman, L. S., 268
Lerner, L., 274

Lerner, M., 114
Lerner, R. A., 355, 675
Leroy, J. L., 269
Leroy-Houyet, M. A., 330
Lesage, P., 742
Leser, G. P., 295, 297, 298, 305-7, 311
Leslie, A. G. W., 142
Lester, R. L., 124, 132, 134
LeStourgeon, W. M., 290, 293-95, 297, 298, 308, 310
Letcher, R., 645, 872
Letwin, K., 468, 474
Leu, C.-T., 546, 548, 549
Leu, T-H., 45, 47
Leustek, T., 351
Levan, G., 391
LeVan, K., 294, 295, 305, 307
Lévêque, F., 717
Levey, A., 290
Levi, E., 517, 525
Levi-Montalcini, R., 838
Levin, J. R., 903
Levin, L., 874
Levin, V. A., 872
LEVINE, A. J., 623-51; 56, 630-32, 636, 638, 640-43
Levine, B. A., 113
Levine, F., 199
Levine, J. R., 766
Levine, M., 783
Levine, R. A., 860
Levine, R. L., 804, 810, 812, 813, 816, 817
Levinson, A. D., 101, 855, 860, 865, 866
Levinson, W., 374
Levinthal, C., 355, 671
Levis, R., 394
Levitsky, H. I., 208
Levitt, J. D., 433, 434, 438
Levitt, M., 259
Levra-Juillet, E., 607
Levrero, M., 199
Levy, D. E., 116
Levy, J., 116
Levytska, V., 472
Lewin, B., 106
Lewis, M. J., 327, 339, 357, 359, 526, 830
Lewis, M. K., 162, 177
Lewis, V. A., 350, 353, 372, 373
Leyva, E., 487, 494, 508
Lhotak, V., 474
Li, B.-Q., 843, 879
Li, C. L., 193
Li, E., 835
Li, F. P., 639
Li, G. C., 363, 435, 447
Li, J., 172, 301, 786, 899, 907, 910, 911, 914, 916, 917
Li, J. J., 38
Li, J-M., 233, 236
Li, L., 363
Li, N., 460, 464, 473
Li, R., 34, 38, 39, 239
Li, S.-C., 88, 910, 916
Li, S-F., 786
Li, W., 459, 460, 462, 473, 880
Li, Y. Q., 297, 838, 855, 874
Li, Y.-T., 88, 170, 174, 175, 181, 184
Li, Y.-Z., 486
Lian, C-J., 784
Liang, T.-Y., 486
Liang, Y.-L., 732
Liao, S. M., 162, 182, 183
Liao, X., 304
Libby, P., 193
Liberek, K., 225, 243, 350, 351, 357, 358, 360, 361
Licht, T., 418
Lichtenstein, H. S., 778
Lidholm, J., 600
Lieberman, P. M., 165-67, 169, 171
Liebow, C., 116
Liebster, J., 800, 808, 810
Liff, M. I., 142
Likhosherstov, L. M., 72
Lill, R., 359
Lillelund, O., 304
Lilley, D. M. J., 266
Lim, C. S., 199
Lima, C., 122
Lima, W. F., 854
Limauro, D., 904, 905
Lin, B., 645, 872
Lin, E. C. C., 784, 786
Lin, L. S., 517
Lin, S. W., 805, 810, 811, 817
Lin, S. X., 443, 446, 454
Lin, Y. P., 397, 401
Lin, Y. S., 177
Lin, Y.-Z., 524
Lindahl, L., 904
Lindberg, A. A., 80, 94
Lindberg, B., 74, 80, 94
Lindberg, R. A., 469, 474, 836, 839
Linderoth, N. A., 908
Lindholm, D., 839
Lindquist, P. B., 520, 527, 528, 531, 534
Lindquist, S., 248, 350, 353, 357, 361, 374
Ling, V., 386, 387, 389-91, 395, 397, 398, 401, 404, 405, 407, 408, 410, 412, 414, 415
Lingappa, V. R., 393
Lingelbach, K., 304
Lingner, J., 316
Link, G., 600
Linke, R., 866, 867
Linkesch, W., 401
Linney, E., 38, 43
Linskens, M. H. K., 30, 32, 47, 52, 54
Linsley, P. S., 520
Lints, T., 462
Linzer, D. I. H., 630, 631
Lipari, T., 527, 528, 531
Lipmann, F., 110, 733
Lipniunas, P., 81
Lippincott, S. J., 115
Lippincott-Schwartz, J., 351, 362
Lipsky, N. G., 332
Lipson, S. E., 267
Liq, Q. Z., 546
Lis, J. T., 758
Lisanti, C. J., 407
Lisanti, M. P., 122, 135
Lisbin, M. J., 300, 303, 310
Lissin, N. M., 350, 352, 366, 367, 370, 376
Lister, J., 166
Lisziewicz, J., 197
Little, J. E., 228
Littman, D. R., 199
Litwak, G., 640
Liu, D. G., 843, 853
Liu, G., 356, 359
Liu, G. T., 817
Liu, J.-J., 263
Liu, J. P., 73, 375
Liu, L. F., 411, 416, 544, 555, 873
Liu, R. Y., 363
Liu, S., 489
Liu, X., 467, 468
Liu, X. Q., 879
Liu, Y., 612
Liu-Johnson, H. N., 757, 763, 764
Livanos, E., 624
Lively, C., 695, 697
Livingston, D. M., 633-35
Livingston, J. N., 465
Lloyd, A. C., 853, 882, 883
Lloyd, P., 882
Lo, S. H., 454
Lobell, R. B., 778, 779, 782
Lobl, T. J., 239, 240
Lobo, S. M., 166, 167
Lodish, H., 356
Loeb, D. D., 545
Loeb, D. M., 833
Loeb, L. A., 686, 687, 701
Loeberman, H., 676
Loetscher, H., 526, 830
Loewenstein, P. M., 197
Loewinger, L., 221
Logan, G. F. Jr., 122
Logsdon, J. M. Jr., 611, 612
Lohka, M. J., 55, 334, 338
Lohman, T. M., 710

Loizos, N., 596
Lombardo, M. J., 786
Lombrillo, V. A., 435, 448
Lombroso, P. J., 114
Lonetto, M., 165, 173, 361, 895, 896
Long, C. J., 197
Long, L. K., 831
Longenecker, J. B., 15, 16
Longfellow, C. E., 278
Longthorne, R. F., 220
Loo, J. A., 84
Loo, K. K., 434, 435, 440, 442
Look, A. T., 467, 524, 639, 874
Looney, D. J., 197
Loos, K., 231
Lopaczynski, W., 464
Lopes, J., 182
Loppes, R., 597
LoPresti, M. B., 298
Lorenzen, J. A., 103
Lorenzo, I., 192, 193
Lorimer, D., 768
Lorimer, G. H., 350, 352, 364-67, 371
Lorimer, H. E., 33, 36
Losick, R., 173, 895, 896
Loskutoff, D. J., 676
Lotem, J., 630, 642
Lothstein, L., 390, 401, 402, 404, 405
Lotze, M. T., 204
Loughran, T. P., 206
Louhelainen, J., 336
Loulseged, H., 192, 193
Louvard, D., 326, 327, 329
Lovelace, E., 390, 395, 399, 408, 410
Lovett, M., 351, 360, 363
Low, D. A., 779
Low, F. N., 327
Low, M. G., 122, 123, 125, 126
Low, P., 130
Lowe, D. M., 716, 719, 728, 730
Lowe, G., 729
Lowe, R., 862
Lowenstein, E., 459
Lowenstein, E. J., 462, 880
Lowery, D., 554
Lowery-Goldhammer, C., 894, 905
Lowndes, N. F., 860
LOWY, D. R., 851-91; 854, 862, 864, 865, 867-70, 873, 874, 876, 878, 879, 883
Loyer, P., 399
Lozano, G., 636, 641
Lu, C., 350, 351, 358, 360, 361, 366, 376, 377
Lu, H., 170-72, 174, 175, 177, 178, 183, 184
Lu, H. S., 522, 523, 525, 532, 533
Lu, J., 472, 657, 660, 661, 663, 669
Lu, K., 860
Lu, M. L., 454
Lu, S. D., 526
Lu, X., 378
Lu, Y., 866
Lubben, T. H., 352, 364-67, 371
Lucas, F. V., 329, 340
Lucas, J. J., 343
Luciw, P. A., 920, 921
Luckett, W. S. Jr., 597
Lucocq, J. M., 221, 237, 325, 327-30, 332-34, 337, 338, 340
Ludford, R. J., 327
Ludlow, J. W., 630, 631, 634, 635
Ludwig, H., 401
Ludwig, R. A., 784
Lue, N. F., 162, 169
Lue, R. A., 57
Luedke, C., 526
Luetteke, N. C., 520
Lührmann, R., 220, 221, 290
Luhrmann, R. E., 306
Luhrs, C. A., 126
Lukanidin, E. M., 290
Luke, M. M., 225, 361
Lukhtanov, E. A., 895
Lumelsky, N., 259
Lumma, W. C., 572
Lund, E., 166
Lund, K. A., 463
Luneau, C. J., 315
Lupton, S., 37, 38
Luria, S. E., 894
Lüscher, B., 54, 496-98
Luse, D. S., 162, 170, 178, 180, 902, 903, 923
Lustig, A. J., 244
Lutz, Y., 171, 174
Lutz-Freyermuth, C., 301
Lwoff, A., 13
Lwoff, M., 13
Lydall, D., 245
Lye, R. J., 432, 443, 444
Lyle, T. A., 556, 571
Lyman, C. M., 5
Lyman, S. D., 468, 525, 529, 536
Lynch, C. M., 192, 193
Lynch, E. C., 901
Lynch, H. T., 646, 647
Lynch, J. F., 647
Lyndon, N., 116
Lynen, F., 12, 17
Lynn, K. R., 810
Lyons, C. R., 841
Lyttle, M. H., 507
Lyu, P. C., 142

M

Ma, C., 47, 264
Ma, D. D. F., 401
Ma, D.-P., 597
Maas, A. A. M., 94
Maassen, J. A., 880
Macadre, C., 592, 593, 595, 596, 599, 606, 613
Macara, I. G., 876
Macchi, M. J., 469
MacDonald, B., 864
MacDonald, C. C., 316
MacDonald, M. J., 862, 867
Mace, D., 688
Macer, D. R. J., 326, 336
Macfarlane, J. L., 600
Machado, R. D., 327
Machamer, C. E., 337
Mache, R., 266
Maciag, T., 471, 473
MacInnes, J., 784
Macino, G., 593, 595, 600, 615
Mackay, D., 330, 332, 337
Mackie, A., 407
Mackie, G. A., 717, 719, 723
MacLachlan, A. D., 716, 719
MacNeil, I. A., 608
MacNicol, A. M., 473
MacPherson, P., 34, 40
Macreadie, I. G., 602
Madden, R. J., 5
Madern, D., 717, 727, 733
Madison, J. T., 258
Madore, S. J., 923
Madsen, J., 494, 503
Madzak, C., 199
Maegawa, H., 465
Maekawa, M., 873
Magaard, V. W., 555, 556
Magasanik, B., 752, 754, 766, 787
Magee, A. I., 863, 864
Magee, P. T., 17
Magli, M. C., 193
Magnusson, G., 36, 42
Magrath, I. T., 414
Magretova, N. N., 433
Magrum, L. J., 258
Mahadevan, S., 907
Mahbubani, H. M., 53
Maher, P. A., 104, 841, 842
Mahler, H. R., 595
Mahoney, J. F., 135
Mahowald, A. P., 456
Mahuran, D., 75
Maier, G., 830
Maina, F., 469
Maine, E. M., 297, 316
Maione, T. E., 263
Maizel, J. V. Jr., 278, 279

Maizels, N., 899
Majer, P., 566
Majerus, P. W., 103, 104
Major, F., 281
Majors, J., 756, 765, 766, 787
Majumdar, C., 690
Makada, H. A., 808, 809
Makarow, M., 336
Makelä, T. P., 471, 472, 882
Makhatadze, G. I., 657, 658, 664
Maki, A. H., 303
Makino, K., 774
Makita, M., 79
Malan, T. P., 768
Malcolm, D. B., 290, 308
Maldonado, E., 168-70, 172, 175, 177, 179, 183
Maldonado-Codina, G., 55
Måle, P., 331
Maleszka, R., 593
Maley, F., 87, 89, 596, 597
Maley, G., 596, 597
Malhotra, A., 281
Malhotra, V., 337
Malik, A. K., 35, 43
Malik, S., 170, 171
Malim, M. H., 197, 923
Maliszewski, C., 193
Malki, A., 57
Malkin, D., 639
Maller, J. L., 843
Mallick, U., 780
Malone, R. W., 197
Maloney, P. C., 395, 411
Maltby, V., 639
Maltese, W. A., 863
Maltzman, W., 642
Mancillas, J. R., 433, 441
Mandecki, W., 767, 780
Mandel, J.-L., 199
Mandelkow, E., 437
Mandelkow, E. M., 437
Mandell, R. B., 222
Mandiyan, V., 266
Mandon, K., 784
Manenti, G., 831
Maness, P. F., 104, 844
Mangiarotti, A., 294, 295
Maniatis, T., 162, 192, 265, 306, 316
Maniotis, A., 343
Mankins, A. S., 592
Manley, J. L., 162, 314, 316, 783, 920
Mann, R., 192, 199
Manne, V., 854, 863, 866, 877
Mannella, C. A., 616
Manning, M. C., 660
Manning-Krieg, U. C., 351, 356, 362, 375
Manogue, K. R., 526
Manor, H., 36
Manor, P. C., 275
Manos, M. M., 524
Mansukhani, A., 472
Manz, J. T., 659, 668, 677
Manzi, A., 364, 365
Maquat, L. E., 222, 223, 243
Maragos, J., 469, 833, 836
Marahrens, Y., 35, 38, 43, 50
Maramatsu, T., 89, 90
Marbach, I., 881
March, C. J., 271
Marchase, R. B., 95
Marchetti, D., 840
Marchetto, S., 468
Marchuk, D. A., 645, 871, 872
Marciniak, R. A., 922
Mardon, G., 870
Marek, D., 55
Margerum, D. W., 672
Margolis, B., 459, 462-64, 468, 880
Margolis, R. L., 103, 115
Margolskee, R. F., 199
Margot, A., 199
Margottin, F., 166
Marians, K. J., 688
Marics, I., 471
Marie, J., 460, 473
Mariman, E. C. M., 290
Marini, N. J., 53
Marino, P. A., 400
Mariotti, D., 47
Mark, D. F., 689
Markley, J. L., 271, 275
Markowitz, D., 192, 193, 199
Markowitz, R. B., 40
Marks, J. R., 638
Marky, L. A., 142, 262, 687
Marlier, J. F., 689
Marnay, A., 89
Maroulakou, I., 224
Marquardt, D., 389, 409
Marquardt, H., 518, 520, 524
Marr, R. S., 863
Marselle, L. M., 223
Marsh, K., 575
Marsh, M., 329
Marshak, D. R., 636
Marshall, C. C., 863, 864, 870
Marshall, C. J., 853, 863, 864, 882
Marshall, G. R., 545, 548, 553, 558, 561, 566, 567, 569, 570
Marshall, M. S., 868-70, 872, 874, 878, 879, 881
Marshall, P., 597
Marshallsay, B., 229-31
Marsilio, E., 635
Marszalek, J., 225, 243, 350, 360
Martegani, E., 462, 875
Martin, A. P., 329, 340
Martin, D. W. Jr., 127
Martin, F. H., 517, 525, 533, 723
Martin, G. A., 457, 458, 460, 462, 517, 524, 532, 645, 865, 869, 871, 872
Martin, J., 350, 352, 355, 364, 365, 367, 368, 371, 376, 378
Martin, J. A., 544, 555, 558
Martin, K., 778
Martin, M. A., 859, 862
Martin, M. E., 42
Martin, N. C., 233, 236
Martin, P., 870, 872, 873
Martin, R. K., 394
Martin, T. E., 290, 295, 297, 298, 305-7, 310, 311
Martin, W. B., 84
Martin, Y. C., 576
Martinez, H. J., 838
Martinez, H. M., 278, 279
Martinez, Jesse, 640
Martinez, Jody, 640
Martínez-Salas, E., 31, 33, 37, 38, 43, 56
Martinis, S. A., 736
Martin-Parras, L., 32
Martinsson, T., 391
Martinussen, J., 767, 780, 782, 783
Martin-Zanca, D., 469, 470, 526, 827, 831-34, 840-42
Martoglio, B., 507, 508
Maru, Y., 474, 877
Maruta, H., 868, 870
Marx, G., 814
Masahashi, W., 860
Masayuki, M., 459
Mason, A. J., 356
Mason, G. G., 353, 374
Mason, J., 908
Mason, S. W., 907, 914, 917
Massa, E., 350, 374
MASSAGUÉ, J., 515-41; 519, 520, 527, 528, 531, 532, 534-36, 826, 827
Massol, N., 350, 374
Masterson, W. J., 93, 123, 127, 129-31, 133
Masui, Y., 55
Masukata, H., 902
Masutani, C., 34
Mata, M., 199
Matagne, R. F., 596, 597, 615, 616
Mathew, T. C., 838
Mathews, M. B., 920, 921
Matin, A., 753
Matouschek, A., 656, 659-61, 667, 669, 672, 673
Matson, S. W., 689
Matsuda, H., 840

Matsuda, M., 104, 458
Matsuda, Y., 470, 842
Matsugo, S., 810, 811, 813
Matsui, T., 162, 169
Matsui, Y., 520, 525, 528
Matsumura, G., 89
Matsumura, M., 143, 145, 146
Matsuo, H., 532
Matsuoka, Y., 234, 239
Matsushima, H., 833
Matsushima, K., 35
Matsuura, E. T., 598-600, 608
Matsuzaki, T., 877, 878
Mattaj, I. W., 221-23, 243, 290, 300, 301
Mattei, M-G., 468, 471
Matten, W. T., 104
Mattern, J., 401
Matthay, K. K., 639
Matthes, H., 165
MATTHEWS, B. W., 139-60; 139-43, 145-50, 154, 654
MATTHEWS, C. R., 653-83; 352, 655, 656, 659, 660, 662, 663, 666-68, 670-72, 674, 677
Matthews, R. J., 114
Mattox, P. A., 521, 527
Matunis, E. L., 295, 297, 303, 311
MATUNIS, M. J., 289-321; 290, 292, 294-98, 303-6, 309, 311
Maul, G. G., 222, 223, 326, 327
Maurer, R. A., 334
Maurer-Fogy, I., 295
Mauro, V., 110
Maus, M., 576, 577
Mawhinney, T. P., 95
Maxam, A. M., 192
Maxon, M. E., 175
Maxwell, C. R., 799
Maxwell, F., 197
May, P., 636
Mayaux, J.-F., 717
Mayeda, A., 314, 315
Mayer, B. J., 104, 458
Mayer, M. P., 863
Mayer, S. A., 294, 296, 299, 304, 314
Mayhew, M., 519
Mayne, L., 663
Mayo, J. K., 400, 409
Mayor, S., 122, 124, 125, 127-31
Mayorga, L. S., 338
Mayorga, O. L., 655
Mayrand, S., 290
Mazurek, N., 840
Mazzarella, R. A., 353, 374
Mazzotta, M. Y., 88
McAllister, L., 110
McArthur, J. G., 50
McArthur, M. J., 639, 642
McAvoy, E. M., 409
McBride, G., 472
McBride, H. L., 624
McBurney, M. W., 115
McCabe, P. C., 645, 865, 872
McCaffrey, G., 433
McCaffrey, M., 331, 332
McCammon, K., 350, 351, 362
McClain, D. A., 465
McClain, J., 469
McCloskey, J. A., 86
McClure, M. A., 601, 609, 613
McClure, W. R., 162, 766, 768, 769, 893, 896, 897, 918
McConnell, S. J., 342
McConnell, T. S., 256, 611, 716
McConville, M. J., 77, 93, 122, 123, 125
McCormick, D. B., 12
McCormick, F., 460, 461, 464, 467, 646, 852, 864-66, 868-73, 879, 880
McCoy, J. M., 689, 690
McCracken, S., 172, 173, 907
McCune, B. K., 527, 528, 531
McDonagh, K., 210
McDonald, C. C., 657
McDonald, H. B., 432, 434, 435, 440
McDonald, N. Q., 825, 832, 835
McDonald, V. L., 517, 518, 520, 521, 532
McDowall, A., 229
McElwain, T. J., 205
McEwan, G. T. A., 413
McFall, E., 779
McGeoch, D., 760
McGinnis, G. D., 86
McGlade, J., 459, 464
McGowan, C. H., 106, 111, 332
McGrath, J. P., 394, 855, 862, 866
McGrath, T., 389
McGuire, W. L., 397
McHenry, C. S., 688
McIntosh, J. R., 432, 433, 435, 436, 443, 446, 448
McIntosh, L. P., 271
McIvor, R. S., 207
McKay, D. B., 358, 754
McKay, I. A., 864
McKay, R., 840
McKeehan, K., 472
McKeehan, W. L., 472
McKeever, B. M., 545, 546, 548, 549, 553, 572, 573
McKenney, K., 351, 361, 760, 761
McKeon, F., 221, 334
McKeon, F. D., 375
McKeown, M., 297, 316
McKinney, D., 876
McKinnie, R. E., 663
McKittrick, N., 360
McKnight, S. L., 162, 308
McKusick, V. A., 192
McLachlin, J. R., 192, 396
McLeod, A. N., 464
McMacken, R., 350, 358, 361, 366, 376
McMahon, A. P., 53
McMahon, S. L., 169
McMullen, M. E., 290
McMullin, T. W., 364
McMurray, J. V., 53
McNally, K. L., 259, 598-600
McNicoll, N., 489, 504
McNiven, M. A., 440
McNutt, W. S., 12
McPherson, A., 258, 275
McQuade, T. J., 544, 555, 556, 569
McSwiggen, J. A., 268, 893, 896
McTiernan, C. F., 53
McTigue, M., 841
McWhinney, C., 48, 52, 54
Meador, J., 265
Meadow, N. D., 750, 752
Meakin, S. O., 824, 825, 830, 833, 841
Means, A. L., 169
Meares, C. F., 183, 895, 900
Méchali, M., 53, 636
Mechetner, E. B., 397, 398, 418
Mechtler, K., 197, 198
Mechulam, Y., 717, 727, 733
Mecklenburg, K. L., 590, 593, 597
Mecsas, J., 896
Medema, R. H., 871, 880
Medof, M. E., 132, 135
Meek, D. W., 636
Meek, T. D., 544, 545, 548, 553-56, 566, 573
Meeker, A. K., 143, 145, 658, 659
Meese, E. U., 391, 624
Mehlert, A., 123, 125
Mehlin, H., 222, 312, 316
Mehta, N. D., 407
Mei, H. Y., 280
Mei, L., 112
Meier, E., 231
Meier, J., 55
Meier, U. T., 222, 239, 241
Meiering, E. M., 660, 673
Meiklejohn, A., 768
Meiklejohn, A. L., 768
Meikrantz, W., 107
Meisenhelder, J., 459, 467
Meissonnier, F., 401

Meister, H., 497-99
Meisterernst, M., 169
Melamed, M. R., 839, 840
Melendy, T., 30, 37, 38
Melera, P. W., 390, 393, 404, 405
Melese, T., 226, 239-41, 297
Melhado, I. G., 103
Melin, F., 37, 42
Mellado, W., 407-9
Mellman, I., 331
Melmed, R. N., 327, 337
Mel'nik, V. N., 722
Melton, D. A., 473
Melton, D. W., 195
Meltzer, P. S., 401, 638, 643
Meluh, P. B., 227, 434, 435, 440-42
Melville, S. B., 783
Mendel, D. B., 248, 510
Mendelman, L. V., 689, 710
Mendhall, R. M., 812
Mendoza, J. A., 352, 366, 367, 371
Menendez, M., 772
Menge, U., 328
Menninger, J. R., 506
Menon, A. K., 122, 124, 125, 127-35
Mercer, W. E., 640
Mercier, J.-P., 605
Merdes, A., 223, 306
Merkel, T. J., 779
Merkert, H., 221, 228
Merle, M., 735
Merlino, G. T., 418, 520, 855, 860
Merlos-Lange, A. M., 607
Mermelstein, F. H., 162
Mermod, N., 34, 39
Merril, C., 894, 896, 906
Merrill, A. R., 500
Merrill, B. M., 295, 298, 300, 301, 303, 310, 315
Mertz, J., 165, 168, 169
Meshinchi, S., 350, 374
Messer, W., 31
Messing, A., 630
Metcalf, B. W., 545, 556
Metcalf, R. A., 638
Metcalfe, A., 719, 723
Metherall, J. E., 529, 530
Metsis, M., 839
Metzger, E., 754
Metzger, W., 896, 899
Metzler, D. E., 10, 15, 16
Meunier, B., 606
Meuth, M., 45, 49, 54
Meyale, S., 130, 135
Meyer, B., 76
Meyer, B. E., 844
Meyer, C., 239
Meyer, D., 228, 243
Meyer, D. I., 359
Meyer, M., 839
Meyers, M. B., 397, 407, 414
Micanovic, R., 127, 128
Michael, W. M., 294, 296, 304-6, 309
Michaeli, D., 351
Michaeli, T., 870, 872, 874, 881
Michaelis, S., 405, 863
Michalopoulos, G. K., 520
Michalovitz, D., 640
Michalski, J. C., 93
Michaud, N., 220, 221
Michel, F., 258-60, 281, 588, 590-600, 608, 611, 612, 616
Micheli, G., 46, 49
Michelotti, G. A., 670
Michel-Wolwertz, M.-R., 596, 597, 615, 616
Mickel, H. S., 817
Mickisch, G. H., 397, 398, 418
Mickley, L. A., 396, 397, 399, 401, 402
Middlemas, D., 469
Middlemas, D. S., 469, 836, 839
Middleton, K., 447
Middleton, T., 35, 43
Miedel, M. C., 554
Mielke, C., 56
Mietto, L., 840
Migeon, B. R., 37
Mignot, J.-P., 328
Mihalov, V., 86
Mikami, A., 444
Miki, T., 471, 472, 779, 780
Miki, Y., 646
Miklos, D., 350, 353, 372, 373
Milan, S. C., 897, 903
Milburn, M. V., 867
Miles, E. W., 21, 668
Miles, H. T., 275
Milfay, D., 459
Mill, A. D., 221, 223
Millar, J. B. A., 106, 107, 111
Miller, A. D., 192, 193, 199, 200, 207
Miller, A. L., 94
Miller, C. G., 786
Miller, F. D., 830, 838
Miller, G., 57
Miller, H. I., 917
Miller, J., 517, 518, 520, 521, 527, 532
Miller, J. K., 545, 547, 556, 566, 568
Miller, J. P., 758
Miller, K., 329
Miller, M., 220, 221, 545-49, 553, 555, 561, 566, 567, 573
Miller, M. M., 545, 561, 569
Miller, O. J., 623
Miller, O. L., 290, 308
Miller, P. S., 854
Miller, W. T., 489, 503, 504, 727, 728, 768
Milligan, J. F., 275
Milligan, R. A., 221, 223, 229
Millikan, R. C., 635
Mills, A. D., 55, 220, 222, 327
Milocco, L. H., 922
Milos, P., 365
Mimmack, M. M., 393, 394
Mimoto, T., 558, 578
Minakami, S., 333
Minami, Y., 115
Minden, M., 115
Ming, D., 596, 615
Minghetti, P. P., 162, 170
Minna, J. D., 632, 642
Minoo, P., 295
Minotti, G., 804
Mintenig, G. M., 399, 405, 413, 417
Minton, N. P., 717
Mintz, B., 202
Miranda, M., 43
Miranker, A., 355
Mirda, D., 460, 473
Mirisola, M. G., 875
Mironov, A. S., 782
Miroshnikova, L. I., 94
Mirrow, J., 205
Mirzayan, C., 224
Mischler, R., 494, 495, 501
Mishra, N. C., 273
Misko, T. P., 469, 826, 827
Misra, L. M., 227, 228, 243, 350, 351, 362
Mistou, M. Y., 875
Mitani, H., 760, 761
Mitani, K., 192, 193
Mitani, M., 662, 663, 669, 671, 672
Mitchell, D. R., 437
Mitchell, H. K., 8
Mitchell, M. A., 239, 240
Mitchell, P. J., 162, 267, 305
Mitchinson, C., 150
Mitchison, T. J., 432, 434, 435, 442, 446, 447
Mitra, G., 831
Mitschler, A., 276, 716, 718, 719, 722, 723, 736
Mitsuya, H., 199, 544, 690
Mitts, M. R., 872, 881
Miura, T., 55, 268
Miura, Y., 877
Miwa, S., 659, 660
Miyagawa, K., 472
Miyajima, A., 33, 34
Miyake, S., 870
Miyake, T., 518
Miyaki, M., 624, 647

Miyamoto, K., 902
Miyamoto, N. G., 169, 171
Miyanohara, A., 193, 199
Miyasaka, J., 842
Miyasaka, T., 842
Miyashiro, H., 275
Miyashita, T., 122
Miyata, T., 545
Miyata, Y., 353, 374
Miyazaki, M., 400
Miyoshi, Y., 646
Mizel, S. B., 245
Mizobata, T., 369
Mizrahi, V., 689, 691, 695, 696, 698
Mizuno, K., 532
Mizuochi, T., 72, 94
Mizzen, L., 115
Mizzen, L. A., 228, 350-52, 360, 375, 376
Moazed, D., 265, 266
Mock, D., 639
Mock, K. K., 83
Mocz, G., 444
Model, P., 689
Modolell, J., 469, 836
Modrich, P., 689
Moeller, E. F., 7
Moen, R. C., 205, 211
Moerman, E. J., 816
Moerschell, R. P., 242
Mohammadi, M., 459, 460, 463, 464, 473
Mohr, G., 588, 590, 605
Mohr, I. J., 34, 38-40
Molenaar, I., 226
Molineux, I., 899
Moll, T., 233, 246
Moll, U. M., 636, 641, 643
Møllegaard, N. E., 780, 782
Mollenhauer, H. H., 328
Molloy, C. J., 467, 878-80, 882
Molloy, P. L., 770, 860
Molman, J., 290
Momand, J., 636, 638, 642, 643
Monaco, J. J., 394
Moncollin, V., 169-71, 174, 175, 177, 179
Mondellini, P., 831
Monforte, J. A., 267
Monia, B. P., 854
Monod, J., 750, 754, 894
Montandon, P.-E., 601
Montecucco, C., 295, 483, 493, 500
Monteilhet, C., 596, 615, 726, 732
Montelione, G. T., 271, 275, 518
Montesano, R., 638
Montgomery, C. A. Jr., 639, 642
Montreuil, J., 72, 75
Monzini, N., 831
Moody, P. C. E., 142
Moolenaar, W. H., 463, 502
Moomaw, J. F., 863
Moon, J. B., 545, 551, 553, 556, 566, 569
Moor, H., 223
Moore, C. L., 299, 316
Moore, H.-P. H., 330-33, 337
Moore, J. A., 12
Moore, K. A., 192, 193
Moore, K. E., 220
Moore, L. C., 220
Moore, M. J., 260
Moore, M. L., 555, 556
Moore, M. S., 221
Moore, P. A., 922
Moore, P. B., 269, 274, 275
Moores, S. L., 863
Moran, B., 630, 631
Moran, J. V., 593, 597
Moran, L. S., 597, 599, 613, 688
Moran, M. F., 104, 113, 458, 459, 461, 464, 870, 879, 880
Moran, P., 127, 128
Morand, J. N., 433, 440
Morandi, C., 294-96, 304, 306, 309
Morange, M., 363
Moras, D., 112, 266, 267, 275, 280, 716-19, 721, 736, 738
Morecki, S., 193
Morehouse, L. A., 803, 804
Moreland, R. B., 233, 234, 236, 237
Moreno, S., 106
Morgan, C., 469, 826
Morgan, C. J., 826, 827
Morgan, D. O., 329, 465
Morgan, J. R., 193
Morgan, R., 193
MORGAN, R. A., 191-217; 193, 197, 203, 210, 211
Morgan, S. L., 79
Morgan, W. D., 893, 896, 899
Morgenstern, E., 77
Morgenstern, J. P., 199
Mori, H., 760, 761
Mori, K., 781
Mori, N., 624
Mori, S., 457
Morimoto, C., 114
Morino, Y., 20
Morishima, N., 598, 606, 612
Morishita, Y., 398
Morita, T., 781
Moriuchi, T., 128
Mörl, M., 605
Morré, D. J., 328
Morris, C. P., 192, 193, 688
Morris, D. I., 407, 408
Morris, H. R., 66, 81, 94
Morris, J. D. H., 853, 882
Morris, J. F., 644
Morris, N. R., 434, 435
Morris, S., 461
Morrison, D. K., 454, 467, 473, 879
Morrison, T. B., 667
Morrow, C. S., 389
Morse, B., 103, 109, 116
Morse, D. P., 259
Morton, C. C., 103, 108
Morton, J. A., 570
Mosca, J. D., 197
Moscatelli, D., 471, 472
Moscufo, N., 493
Moser, H., 394
Moses, H. L., 635
Moskalewski, S., 327, 329, 336, 339
Moss, A. G., 432, 445
Moss, B., 105, 199, 524, 544, 555, 556, 569, 920
Moss, D. S., 280
Mosser, S. D., 863, 868, 870, 878
Mosteller, R. D., 876
Mosthaf, L., 465
Mota, E. M., 612
Mottes, C., 717, 719, 721, 726, 733
Mottonen, J., 676
Mougel, M., 265, 266
Mountford, C. E., 395, 414
Movva, R. N., 780
Mowatt, J. H., 8
Mowatt, M. R., 128
Moyle, M., 182, 895
Mrazek, J., 760
Mroczkowski, B., 519
Muchmore, D. C., 140, 141
Mudd, R., 473
Mudryj, M., 634, 910
Mueller, C. R., 37
Mueller, D. R., 86
Mueller, J. H., 5, 596
Mueller, L., 301, 302, 314
Mueller, S. G., 521, 527, 532
Mueller, T. J., 386, 387
Muench, K., 733
Muench, K. H., 735
Muenchau, D. D., 197
Muhich, M. L., 165, 166
Mühlemann, M., 501
Muhlestein, J. B., 199
Mühlethaler, K., 223
Mukai, S., 627, 628
Mul, Y. M., 39, 41
Mulcahy, L. S., 461, 877
Mulder, K. M., 461
Mulholland, J., 336, 342
Mulle, C., 489, 490
Mullen, M. P., 314

Muller, G., 359
Müller, M. M., 624
Müller, M. W., 605
Müller, N., 270
Muller, O., 461, 880
Muller, W. E. G., 222, 223, 243
Muller, W. J., 37, 38, 56
Müller-Derlich, J., 607
Muller-Eberhard, H. J., 71
Mulligan, L. M., 873
Mulligan, R. C., 192, 193, 199, 210, 390, 414
Mulvey, R., 735
Mulvihill, E. R., 162, 163, 169
Mulvihill, J. J., 639
Munck, A., 248
Munder, T., 874
Mundy, D., 329, 330
Mundy, D. I., 331, 332
Munemitsu, S., 525, 870
Münger, K., 631, 632, 635
Munn, M. M., 689, 710
Munoz, D., 487
Munro, J. M., 110
Munro, S., 337, 362
Munroe, S. H., 315
Munson, L. M., 897
Murakami, H., 350, 351, 359
Murakami, M. S., 465
Murakami, S., 35
Murakami, Y., 33, 36-38, 41-43, 638
Murakawa, G. J., 266, 267
Mural, R. J., 910
Muramatsu, M., 36, 37, 41, 43
Muramatsu, T., 69, 89
Murdoch, G., 114
Muroff, I., 245
Muroya, K., 843
Murphree, A. L., 627, 632
Murphy, C. M., 84, 290, 306, 311, 394
Murphy, D. B., 433, 438, 440
Murphy, L. D., 397
Murphy, M. E., 817, 860
Murphy, P. C., 525
Murphy, R. A., 830
Murray, A. III, 272
Murray, A. S., 326, 341
Murray, M. J., 327
Murray, R. G., 326, 341
Murray-Rust, J., 464, 825, 832, 834, 835
Murry-Brelier, A., 657
Murthy, N. S., 759
Muscarella, D. E., 597, 602, 615
Musgrove, J. E., 365
Musha, T., 877
Musier-Forsyth, K., 736, 741, 742
Muskavitch, M. A. T., 518
Muslin, A. J., 473
Musso, R., 768, 780, 897
Mustaev, A. A., 895, 897, 899
Mustelin, T., 108
Muthukrishnan, K., 667
Mutvei, A., 220, 229
Muzyczka, N., 199, 704
Mwell, F., 197
Mwell, I. H., 197
Myers, J. A., 688, 689
Myers, M. G., 465, 466
Myher, J. J., 123, 125, 126

N

Nabel, E. G., 192, 193, 196, 199, 209
Nabel, G. J., 196, 199, 208, 209
Nachman, J., 559
Nadal-Ginard, B., 294, 296, 299, 304, 314
Nadeau, K., 353
Nadler, S. G., 300, 303, 310
Nagahama, M., 532
Nagai, H., 782
Nagai, K., 301, 314
Nagamura, T., 659, 660
Nagaoka, T., 171, 172, 177, 179
Nagasawa, K., 94
Nagashima, M., 527, 528, 531
Nagata-Kuno, K., 333
Nagel, G. M., 721
Naglich, J. G., 529, 530
Nagy, M., 233, 236
Naik, M., 390
Naito, K., 472
Naito, M., 395
Naka, T., 506
Nakafuku, M., 460, 461, 870, 872, 878
Nakagawa, H., 89
Nakagawa, J., 334
Nakagawa, K., 598, 606, 612
Nakagawa, T., 295
Nakagawa, T. Y., 294, 295, 300, 305, 307
Nakai, H., 689, 710
Nakajima, N., 168
Nakajima, T., 408
Nakakura, N., 55
Nakamura, H., 193, 202
Nakamura, K., 780
Nakamura, S., 461, 843, 864, 873, 877, 878, 882
Nakamura, T., 532, 760, 761
Nakamura, Y., 600, 646, 896, 901
Nakanishi, N., 841
Nakanishi, S., 401
Nakano, A., 597, 599, 613
Nakatani, H., 472
Nakatani, Y., 168
Nakayama, K., 600
Nakayama, T., 88
Nakazaiva, A., 779, 780
Nakazaiva, T., 779, 780
Nakazima, Y., 408
Nakielny, S., 464, 882
Nall, B. T., 656, 667, 673
Nallaseth, F., 45, 48, 49
Nam, H. G., 233, 236
Namba, Y., 632
Namen, A. E., 468
Nanduri, V., 469, 827, 832, 834, 836, 838, 839, 841, 842
Nanri, H., 333
Naor, Z., 843
Napier, M., 465
Narasimhan, V., 461, 880
Nargang, F. E., 596, 608, 609, 616
Narita, S., 810, 811
Nash, H. A., 777, 782
Nasmyth, K., 233, 245, 246
Nassal, M., 487, 488, 503, 504
Nassar, N., 716, 719, 722
Natale, D. A., 35
Nathan, C. F., 531, 535
Nathan, D. G., 193
Nathans, D., 192
Natori, S., 902
Nau, M. M., 638
Naujokas, M., 34, 36, 37, 42
Navakassatusas, S., 459
Navas, P., 328, 329
Navia, M. A., 546, 548, 549
Navone, F., 433
Nawotka, K. A., 32
Naylor, S. L., 638
Neal, S. E., 867
Nebreda, A. R., 833, 834
Nechushtai, R., 351
Nedwin, G. E., 517
Neel, B. G., 103, 462, 876
Nees, D. W., 784
Neet, K. E., 825, 843
Neff, L., 411
Neff, N., 597, 599, 613
Negri, C., 295
Nehrbass, U., 229-31
Neidhardt, F. C., 754
Neidhart, D. J., 545, 548, 553, 561, 573, 574, 576
Neilands, J. B., 782
Neill, S., 634
Neinhuis, A. W., 199
Nel, A., 842
Nelson, C. E., 639, 640
Nelson, D. M., 779
Nelson, H. C. M., 140
Nelson, M. J. K., 18, 19, 233, 234, 237
Nelson, M. K., 243
Nemeth, M. T., 672
Nemethy, G., 758
Neri, A., 638

Neri, D., 271, 275, 657
Nesvera, J., 767
Nethanel, T., 31
Netta, P., 803
Netter, P., 588, 595
Neubauer, A., 469, 474
Neubauer, M. G., 517, 521, 532
Neubeck, R., 570
Neufeld, G., 471
Neuhaus, D., 270, 275
Neuhaus, H., 600
Neuman-Silberberg, F. S., 854
Neupert, W., 220, 350-52, 354-56, 361, 362, 365, 375, 378
Nevalainen, L. T., 336
Neve, R., 199
Neve, R. L., 433
Neville, D. C. A., 89, 90
Neville, R. F., 196
Nevins, J. R., 290, 634
Newlon, C. S., 30, 32, 35, 38
Newman, A. J., 611
Newman, K. D., 196
Newman, S. A., 660
Newmeyer, D. D., 221, 223, 228, 237
Newport, J. W., 55, 326, 330, 332, 333, 334, 337, 338, 689, 710
Newton, W. A., 20
Neyfakh, A. A., 398, 416
Ng, A. S., 869
Ng, S. C., 327
Nguyen, D. T., 280
Nguyen, T. H., 351, 362
Nguyen, T. T., 842
Nguyen, V. T., 363
Nice, E. C., 518
Nicholas, R. A., 496
Nicholls, A., 143
Nicholson, H., 140, 142, 146, 147, 149, 150, 659, 669, 670, 674, 677
Nicholson, W. L., 754
Niclas, J., 433, 441
Nicola, N. A., 524
Nicolas, J.-F., 202
Niederwieser, D., 193
Nielsen, P. T., 266
Nielsen, S. O., 655, 663
Niemer, I., 605
Nienhuis, A. W., 193
Nierlich, D., 266
Nierlich, D. P., 267
Nierzwicki-Bauer, S. A., 592, 593, 611
Nieuwlandt, D. T., 592
Nigg, E. A., 220-23, 226, 242, 245, 307, 334, 338
Niggli, V., 496
Nigro, J. M., 638, 647
Nikaido, H., 411
Nikaido, K., 411
Nikam, S. S., 779
Nikawa, J., 864
Nikiforov, V., 896, 903
Nikolakaki, E., 883
Nikolics, K., 469, 835, 836
Nikoloff, D. M., 517, 524, 532
Nikonowicz, E. P., 271, 272, 277
Nilges, M., 269, 275
Nilsson, B., 74, 81, 82, 355
Nilsson, M., 36, 42
Nilsson, P., 779
Nilsson, T., 327, 328, 337, 338
Nimmesgern, E., 350, 352, 353, 372, 373
Ninio, J., 278, 279, 702
Nishi, M., 103
Nishi, T., 872
Nishida, E., 353, 374, 842
Nishida, J., 474
Nishida, Y., 881
Nishigaki, K., 268
Nishimoto, T., 396, 411
Nishimura, H., 67
Nishimura, S., 225, 360
Nishimura, Y., 94
Nishisho, I., 646
Nishizuki, Y., 17
Nislow, C., 435, 448
Nissen, L. M., 872
Nissley, P., 464
Nitecki, D., 408
Nitta, K., 670
Nobis, P., 306
Noble, J. A., 517, 524, 532
Noble, R. L., 234
Nocka, K., 517, 525, 532
Nocka, K. H., 525, 529, 533
Noda, M., 843, 853, 868, 877, 878
Nodwell, J. R., 911, 915, 916
Nogae, I., 416
Noguchi, T., 328
Noller, H. F., 256, 258, 259, 265, 266, 611, 716
Nolta, J. A., 192, 193
Nomura, K., 638
Nomura, M., 894, 916
Nonaka, H., 876
Nonet, G. H., 49
Nonet, M., 167, 182, 183
Noonan, K. E., 397
Nooter, K., 389, 390, 401
Nophar, Y., 535, 537
Norbeck, D. W., 544, 555, 573, 574
Norbeck, W. E., 575
Norbury, C., 330
Nordlund, M., 872
Noren, C. J., 507, 599
Noren, K. A., 507
Nori, M., 870, 882
Norman, C., 611
Norman, S., 779
Normanly, J., 716, 736, 742
Normington, K., 228, 350, 351, 362
North, A. K., 912
Northington, S. J., 308
Nossal, N. G., 689, 695, 703, 710
Nosworthy, J., 800, 801, 810
Notario, V., 298, 300, 303, 305, 310
Nöthiger, R., 297, 316
Novak, T., 812
Novick, P. J., 877
Novikoff, A. B., 327
Novikoff, P. M., 193, 327, 446
Novikova, O. S., 72
Novotny, M., 73
Nuck, R., 71
Nudler, E., 350, 351, 361, 371, 378
Nunez, H. A., 272
Nunnemacher, G., 841
Nur-E-Kamal, M. S. A., 868
Nurse, P., 106, 330
Nussbaum, O., 196
Nussenzweig, V., 127
Nussinov, R., 278, 279
Nusslein-Volhard, C., 104
Nute, D., 76
Nutt, R. F., 545
Nyberg, K., 143
Nye, J. A., 140, 141
Nye, S. H., 469, 470, 842
Nyman, U., 306

O

Oas, T. G., 355, 672, 679
Oatley, S. J., 139, 140, 575
Obermeier, A., 468, 842, 843
Oberto, J., 918, 919
O'Brien, J. P., 398, 414
O'Brien, S. J., 854
O'Bryan, J. P., 469, 474
Occhiodoro, T., 192, 193
O'Connell, C., 192
O'Connell, P., 873
O'Connor, D. T., 36
Oda, K., 600
Oda, Y., 260
Odagiri, H., 472
Odeh, H. M., 645
Odom, O. W., 263, 264
O'Donnell, M., 35, 43, 690
O'Dowd, B. F., 75
Oduola, A. M. J., 394
Oehm, A., 830
Ogata-Arakawa, M., 89, 90
Ogawa, K., 444
Ogburn, J. A., 221
Ogden, R. D., 736, 742
Ogilvie, K. K., 272, 275

Ogura, A., 853
Ohagi, S., 103
Ohana, B., 922
O'Hara, M. B., 863
O'Hara, P. J., 342
O'Hare, K., 394
Ohashi, S., 436, 446
Ohi, S., 199
Ohki, M., 225, 360
Ohki, R., 225
Ohkochi, E., 386
Ohkubo, H., 401
Ohkuma, Y., 165, 166, 171, 175, 176
Ohkura, T., 88, 89
Ohmichi, M., 470, 842
Ohnishi, S., 881
Ohno, M., 297
Ohshima, T., 532
Ohsuki, T., 524, 527
Ohsumi, Y., 597, 599, 613
Ohta, E., 600
Ohta, Y., 356, 675
Ohyabu, T., 122
Oikawa, T., 209
Ojeda, S. R., 839
Oka, K., 872
Okabe, K., 871
Okabe, Y., 600
Okada, F., 209
Okada, M., 600
Okada, S., 800
Okada, Y., 239
Okamoto, K., 781
Okamura, C. S., 307, 311
Okamura, M., 656
O'Kane, D. J., 5
Okayama, N., 673
Okazaki, T., 31
O'Keefe, D. P., 367
Okumura, K., 37
Okumura, T., 89
Okuno, M., 436, 446
Olah, Z., 870, 872, 873
Old, L. J., 525, 839, 840
Oldfield, E. H., 209
Olefsky, J. M., 465
Oliner, J. D., 638, 643
Olivard, J., 10, 15
Olive, D. M., 37
Oliver, C. N., 804, 812, 813, 816, 817
Oliver, J. D., 147
Oliver, J. M., 329-31, 333
Oliver, S. G., 297
Ollis, D. L., 690, 691, 704
Olsen, G. J., 258, 259
Olsen, K. W., 112
Olsen, M. K., 556
Olsen, R., 94
Olsen, W. L., 489, 493
Olshevsky, U., 199
Olson, C., 774
Olson, D. C., 638, 642, 643
Olson, E. R., 911, 914, 915
Olson, L., 838-40
Olson, T. S., 350, 351
Olson, W. K., 256
O'Malley, B. W., 162, 170, 353, 374
Omura, S., 72
O'Neil, K. T., 489, 504
O'Neill, E. A., 39
O'Neill, R. R., 859, 862
Ong, E. S., 192
Ong, H., 489, 504
Ono, M., 545
Onrust, R., 690
Onuffer, J. J., 659, 668, 672, 677
Onyekwere, O., 642
Oon, S. H., 103, 108, 110, 114
Opdenakker, G., 69
Oppenheim, J., 367
Oppermann, H., 101, 374
Oraler, G., 594
Orci, L., 323, 332, 337
Orecchio, L. D., 433
O'Reilly, R., 211
Oren, M., 630, 636, 640-42
Orias, E., 32, 37, 47
Orla-Jensen, S., 3
Orlandi, P. A., 93
Orlandi, P. A. Jr., 122
Orlando, R., 85
Orlean, P., 132, 342
Ornitz, D. M., 472
Oroszlan, S., 545, 546, 554, 555, 865
O'Rourke, E., 469, 827, 832, 834, 836, 841, 842, 863
Orozco, E., 394
Orr, C. W. M., 812
Orr, D. C., 577
Orr-Weaver, T. L., 30, 46, 602
Ortolan, L. G., 172
Osawa, T., 72-74
OSBORNE, M. A., 219-54; 239, 240
Osborne, P. A., 830
Osborne, W. R. A., 192, 193, 207
O'Shea-Greenfield, A., 167
Osheim, Y. N., 306, 309
Oshima, M., 842
Oshimura, M., 624, 647
Osiewacz, H. D., 600, 608
Oskam, R., 831
Osswald, M., 267
Ostergaard, H. L., 108, 114
Osterlund, M., 42
Ostermann, J., 350-52, 356, 361, 362, 365, 375
Ostrowski, M. C., 870, 883
Osumi, T., 394
Osuna, R., 781
Ota, I. M., 107
Otis, C., 605
Otridge, J., 904
Otsu, M., 459
Otsuka, A. J., 434, 435
Ottaviano, Y., 221, 228
Otten, V., 840
Ottilie, S., 107
Otting, G., 271, 272, 275
Oubridge, C., 301, 314
Ouellette, M., 394
Ourisson, G., 489
Overath, P., 126
Overduin, M., 458
Overell, R. W., 206
Overington, J., 546
Owen, R. D., 883
Owens, R. A., 555
Ozarsian, S., 290
Ozeki, H., 590, 591, 594, 611
Ozelius, L. J., 831
Ozturk, M., 638

P

Pabo, C. O., 923
Pace, C. N., 143, 657
Pace, N. R., 258, 259
Pace, T., 49
Pacifici, R. E., 817
Paciucci, R., 860
Paddy, M. R., 220, 223
Padgett, R. A., 267
Padlan, E. A., 21, 573, 668
Padmanabhan, R., 221, 397, 408, 410
Paek, K.-H., 378
Pagano, M., 330, 331
Pagano, R. E., 330, 332, 490
Page, K. A., 199
Pai, E. F., 867
Pai, L. H., 397, 398
Paidhungat, M., 517, 526, 527, 529
Paiement, J., 338
Pain, D., 350, 351, 359
Pain, R. H., 355, 662, 664, 671, 672
Paine, P. L., 220, 221
Pak, D. J., 641
Palade, G., 337
Palade, G. E., 337
Palchaudhui, S., 779
Palecek, E., 266
Palgi, J., 840
Palladino, M. A., 526
Pallen, C. J., 109, 112
Palleros, D. R., 358, 360, 376
Palm, D., 20
Palmer, J. D., 592, 593, 611, 612
Palmer, T. D., 192, 193, 200
Palmiter, R. D., 520, 630

Pals, C. E. G. M., 115
Palzkill, T. G., 35
Pamidimukkala, K. M., 86
Pampeno, C., 758
Pan, B.-T., 866
Pan, L. C., 193
Pan, M. G., 116
Pan, Y.-C. E., 128, 525, 526, 830
Panayotou, G., 458, 459
Pandey, S., 239
PANDIELLA, A., 515-41; 531, 532, 534-36
Pandolfo, M., 295, 298
Pang, L., 470, 842
Panganiban, A. T., 197, 199
Pant, N., 458
Pantaloni, D., 358
Papageorge, A. G., 862, 864-68, 870, 872, 873, 875-79
Papanicolaou, C., 278, 279
Papayannopoulos, I., 717
Papayannopoulou, T., 193
Parada, L. F., 469, 470, 526, 640, 827, 832-36, 838, 840-42
Pardi, A., 269, 271, 277
Pardoll, D. M., 208
PAREKH, R. B., 65-100; 66, 69, 72, 91
Parenteau, G. L., 817
Paris, J., 434, 435
Park, A., 883
Park, D., 459
Park, D. J., 842
Park, E.-M., 798
Park, K., 169
Park, M. K., 220, 221, 228, 231
Park, S., 356
Park, S. C., 817
Park, S.-H., 627, 632
Parkanyi, C., 272
Parker, C. S., 162, 163, 165, 166, 168
Parker, F., 871
Parker, K. A., 290
Parker, P., 463
Parker, P. J., 463
Parmeggiani, A., 875
Parnaik, V. K., 239
Parrott, E. M., 8
Parry, H. D., 166
Parsons, L. M., 827, 841
Parsons, R. E., 36
Partanen, J., 471, 472
Parthasarathy, S., 817
Partin, K., 41
Parton, R., 440, 510
Parvin, J. D., 171, 175
Parvinen, M., 839
Paschal, B. M., 432, 433, 443-46
Pasquale, E. B., 104, 474
PASTAN, I., 385-427; 193, 386-91, 393, 395, 399-401, 404, 407, 408, 413, 415, 418, 419
Pastan, I. H., 402
Pastore, A., 518, 519
Patel, D. J., 687
Patel, G., 867
Patel, J., 408
Patel, N., 433, 441
Patel, P. D., 350, 374
Patel, S. S., 686, 689-93, 696, 700, 701, 703-6, 710
Patel, T., 72
Paterson, A. J., 521, 527, 532
Paterson, H. F., 853, 863, 864, 882
Patil, S. R., 389
Patrick, J., 841
Pattengale, P. K., 208
Patterson, E. L., 4
Patterson, H. F., 462
Patterson, S. L., 839
Patterson, T. A., 911, 915, 916
Patton, J. G., 294, 296, 299, 304, 314
Patton, J. R., 301
Patzelt, E., 297
Paucha, E., 235, 634
Paul, J., 860
Paul, L. S., 689, 710
Paul, M. F., 575
Paull, T., 53
Pauloin, A., 339
Paulsen, H., 351
Paulson, J. C., 66
Pauw, P. G., 389
Pauwels, R., 690, 709
Paver, J. L., 665, 667, 677
Pavirani, A., 193, 202
Pavlath, G. K., 193
Pawlits, M., 830
Pawson, T., 104, 113, 456, 458, 459, 461, 464, 467, 474, 519, 639, 870, 879, 880
Payne, J. M., 183
Payne, L. S., 572
Payne, R. C., 507
Payne, W., 199
Payrastre, B., 463
Pazin, M. J., 467
Peabody, D. S., 904
Pearce, H. L., 416
Pearl, L. H., 545, 572
Pearse, B. M. F., 323, 329
Pearson, C. E., 54
Pearson, J. W., 397, 418
Pearson, M. L., 918
Pease, A. C., 274
Peccei, A., 632
Pechik, I. V., 545
Pecora, R., 272
Pedersen, H., 780, 782, 783
Pedersen, H. L., 782, 783
Pedersen-Lane, J., 596, 597
Pederson, P. L., 412
Pederson, T., 290, 301, 306
Peebles, C. L., 590
Pei, R., 165
Pel, H. J., 279
Pelc, S. R., 324
Pelech, S. L., 454, 843
Peles, E., 463, 517, 518, 522, 523
Pelham, H. R. B., 327, 339, 353, 354, 357, 359, 362, 374
Pelicci, G., 459, 464
Peliska, J. A., 695, 697
Pelka, H., 733, 734, 736, 742, 743
Pellegrini, S., 116
Pelletier, J., 644
Pellicer, A., 197, 297, 843, 855, 860, 862
Pelto-Huikko, M., 839
Pena, L. A., 841
Pence, J C., 638
Pendergrast, P. S., 756
Peng, J. W., 271, 273
Pennica, D., 517
Penningroth, S. M., 433
Pennings, N. J., 272
Pennington, C. Y., 862
Penschow, J. D., 519
Pepperkok, R., 223, 305, 306
Peralta, E., 915
Perantoni, A. O., 865
Perdew, G. H., 350, 374
Perea, J., 593, 595, 597, 613
Pereira, L., 192, 193
Perez, C. F., 395, 397, 414, 526, 528, 529, 531, 532
Perez-Mutul, J., 883
Perez-Polo, J. R., 840, 841
Peritz, A. E., 278
Perkins, L. A., 104, 456, 459
Perler, F. B., 597, 599, 613
Perlman, P. S., 590-98, 602, 613, 615
Perlman, R. L., 753, 758
Perona, J. J., 276, 716, 718, 719, 723, 726, 727, 736, 738, 739, 743
Perret, V., 716, 741
Perricaudet, L. D., 199
Perricaudet, M., 199
Perrimon, N., 104, 456, 459, 517, 518, 523
Perrin, A., 596, 615
Perroncito, A., 327
Perrotta, J. A., 784
Perry, K., 352
Perry, K. M., 659, 666, 668, 672, 674

Perry, L. K., 192, 193
Perry, R. P., 169
Persson, E., 519
Persson, H., 835, 838-40
Perucho, M., 855, 860
Perutz, M. F., 139, 140, 150
Pesavento, P. A., 434
Pessa-Morikawa, T., 108
Pessin, J. E., 465
Pessin, M. S., 843
Petek, F., 88
Peter, M., 334
Peterkofsky, A., 752, 760, 761
Peterlin, B. M., 920-22
Peters, K. G., 460, 468, 472, 473, 483
Peters, R., 221
Peters, V. J., 12, 14
Petersen, R., 627, 628
Petersheim, M., 261
Peterson, C. L., 182
Peterson, D. C., 799
Peterson, D. D., 433
Peterson, M. G., 165, 166, 172, 175, 177
Peterson, R. H. F., 387, 413
Peterson, S. R., 183, 184
Peterson, W. H., 3-5, 7
Petithory, J., 411
Petrakova, E., 86
Petratos, K., 867
Petrillo, M. L., 590
Petropoulos, C. J., 199, 860
Petruska, J., 687
Petruzelli, L. M., 465
Petsko, G. A., 867
Pettersson, I., 306
Petursson, S., 89, 90
Petzelt, C., 333
Pezzuto, J. M., 506
Pfaller, R., 55, 334, 338
Pfanner, K., 220
Pfanner, N., 332, 356, 362
Pfannmeller, U., 804
Pfarr, C. M., 432, 443, 444, 446
Pfeffer, S. R., 339
Pfeifer, G., 350, 352, 367, 368, 371
Pfeil, R., 93
Pfiffner, J. J., 8
Pfister, K. K., 433, 434, 438, 440, 444, 446
Phelan, A. W., 89
Phelps, W. C., 632, 635
Philippe, M., 434, 435, 447
Philipson, L., 290
Phillips, R. A., 193, 626-28
Phillips, W. D., 657
Phipps, B. M., 352, 372, 373
Phung, L., 900, 901
Piazza, G. A., 433
Picard, A., 106
Picard, D., 247, 248, 350, 353, 374
Picard, M., 607
Piccirilli, J. A., 256, 611, 698, 716
Pick, L., 56, 57
Picking, W. D., 264
Picking, W. L., 264
Pidoux, A., 327, 339
Piekarz, R. I., 402
Pierce, J. H., 527, 528, 532
Pierce, J. V., 4, 272
Pierce-Cretel, A., 75
Pierotti, M. A., 831
Pierron, G., 32, 37
Pietenpol, J. A., 635, 641, 642
Piette, J., 42
Pilch, P. F., 464, 465
Pimlott, W., 79
PIÑOL-ROMA, S., 289-321; 222, 243, 290, 292, 294-96, 298, 300, 301, 303-11, 316
Pinault, F. M., 114
Pind, S., 332
Pinedo, H. M., 397, 412
Pingel, J. T., 108
Pingoud, A., 870
Pinkney, M., 769
Pinon, H., 37, 42
Pinto, I., 170, 172, 177
Pinto, M., 363
Pipas, J., 630, 631
Pipas, J. M., 634
Piper, P. W., 244
Piraux, N., 639
Pirker, R., 401
Pirollo, K., 639
Pirollo, K. F., 854
Piskarev, V. E., 72
Pitha, P. M., 197
Pittelkow, M. R., 521, 527
Pitts, A. F., 471, 843
Pivcevic, B., 394
Pizon, V., 871, 877
Pizzo, A., 326, 341
Planck, S. R., 298
Plant, C. P., 363
Plassat, J. L., 163
Plateau, P., 269, 717, 733
Platt, T., 893, 899, 904-6, 920
Plattner, J. J., 573
Platz, M. S., 486-88, 494, 508
Plautz, G., 196, 199, 209
Plautz, G. E., 199, 209
Pleasure, D., 840, 841
Pleasure, S. J., 833
Pleij, C. W. A., 258, 278, 279, 743
Plenefisch, J., 442
Pletcher, C., 93
Pliska, V., 143
Plonk, S. G., 199
Plotkin, D. J., 197
Plowman, G. D., 517, 518, 520, 521, 527, 532
Pluckthun, A., 352, 356, 366, 367, 371
Plumb, M., 860
Plumbridge, J., 716, 779, 782
Plummer, T. H. Jr., 66, 71, 81, 87, 89
Plutner, H., 332
Pober, J. S., 487
Poch, O., 716, 717, 719
Podda, S., 396, 418
Podjarny, A. D., 275, 276
Poe, M., 866
Poe, R., 486, 487
Poellinger, L., 353, 374
Pognonec, P., 169, 922
Pogo, A. O., 244
Polakis, P., 461, 462, 646, 871, 880
Poland, R. L., 704
Polayes, D. A., 782
Polesky, A. H., 692
Poliakoff, M., 486
Poljak, R. J., 546
Pollard, H. B., 415, 416, 490
Pollock, R. A., 350, 352, 364, 365
Polotskaya, A., 883
Polverino, A. J., 882
Polvino, W., 192
Polyakov, A., 895, 903
Polyakov, V. Y., 326, 327, 336
Pomponi, M., 47
Ponder, B. A., 632
Ponder, M. A., 873
Pongratz, I., 353, 374
Ponnambalam, S., 768, 770
Ponticelli, A. S., 165, 166
Pontius, B. W., 315
Ponzio, G., 489, 490
Poon, D., 165, 166
Poorman, R. A., 554, 825, 826, 835
Popham, D., 912
Poplack, D. G., 397, 398, 401
Popliker, M., 636
Poppe, L., 77
Porschke, D., 764
Porter, K. R., 327
Porter, M. E., 432, 433, 436, 443, 444, 446
Porteu, F., 531, 535
Posakony, J. W., 329
Posner, B. I., 103, 104, 114
Possenti, R., 38
Postma, P. W., 752
Poston, J. M., 817
Pot, D. A., 110, 111, 113, 114
Potashkin, J. A., 244

Poteete, A. R., 140, 141
Poterszman, A., 276, 716, 718, 719, 722, 723, 736
Potier, S., 233, 236
Potmesil, M., 411, 416
Poullet, P., 875
Poulter, C. D., 272
Poulter, L., 81, 86
Pow, A. M., 195
Powell, K. L., 692
Powell, L., 334
Powers, R., 271
Powers, S. G., 17, 853, 854, 863, 871, 881
Pratt, M. M., 443
Pratt, W. B., 350, 353, 374
Pregenzer, J. F., 803, 804
Preiffer, J. R., 329, 330, 333
Preisinger, A. C., 638, 646, 647
Preisler, H., 401
Prendergast, F. G., 264
Prescott, D. M., 324, 326, 333
Prescott, J. M., 14
Presta, L. G., 146
Pret, A.-M., 611
Preugschat, F., 294, 295, 297, 305, 307
Preuss, D., 336, 342
Prezioso, V. R., 116
Price, B., 882
Price, D. H., 162, 172, 177, 179, 902
Price, E. M., 408, 411, 417
Price, G., 56
Price, J., 202
Price, K., 524, 525, 533, 534
Price, L. K. H., 524, 527
Price, T. M., 221, 228
Priefer, U., 784
Prieto, L., 41
Prince, G. M., 132, 135
Printz, M. P., 489
Pritchard, C., 301, 314
Pritchard, J., 205
Privalov, P. L., 655, 657, 658, 664
Prive, G. G., 867
Prives, C., 33, 38, 40, 43, 44, 630, 636, 641, 642
Prochiantz, A., 265
Pronk, S. E., 500
Prosser, J., 638
Proudfoot, N. J., 893, 895, 920
Pruijn, G. J. M., 38, 39, 41
Prunell, A., 766
Prusiner, S. B., 124, 128
Pryde, J., 327, 332
Pryde, J. G., 325, 327, 333, 338
Pryer, N. K., 323, 432
Prywes, R., 641, 642
Ptashne, M., 162, 234, 235, 772, 781, 920, 923
Ptitsyn, O. B., 355, 660, 662, 664, 665, 671, 672, 679
Puel, J., 196
Pugh, B. F., 162, 165-69, 172, 177, 183, 402
Puglisi, J. D., 256, 257, 260, 266, 269, 272, 304, 716, 736, 743
Puhler, A., 784
Pulciani, S. E., 831
Pulido, D., 469, 470, 836, 839, 840
Pulitzer, J. F., 364, 365
Pulliam, M. W., 838
Pullman, J. M., 290, 298, 310
Pultz, W., 812
Pulverer, B. J., 883
Puma, P., 827, 828, 840
Puoti, A., 124, 132, 134, 135
Purchio, A. F., 101
Purifoy, D. J. M., 690, 692, 709
Putney, S., 717
Pütz, J., 716, 736, 743
Puvion, E., 305, 306
Pyle, A. M., 268
Pypaert, M., 327, 328-31, 334, 338, 339

Q

Qian, J., 627
Qian, X.-D., 407
Qiu, F., 525
Qiu, H., 107
Qiu, M.-S., 471, 843
Quaas, R., 660
Quantin, B., 199
Quartin, R. S., 641, 642
Quay, S. C., 489, 493
Query, C. C., 296, 300, 301, 304, 905
Quiang, B., 597, 599, 613
Quigley, G. J., 258, 275
Quinlan, I., 290
Quinlan, M. P., 631
Quinn, A. M., 112
Quintana, N., 327
Quintart, J., 330
Quirk, S., 596, 597, 602, 612, 615
Quirk, S. M., 596, 597, 602, 615
Quiroga, M., 519, 532, 838

R

Raab, H., 127, 128
Raabe, T., 316
Rabin, R. S., 786
Rabin, S. J., 835
Rabinovich, D., 687
Rabinowitz, J. C., 12
Racine, C., 532
Radeke, M. J., 469, 826, 827, 829, 839
Rademacher, T. W., 66, 67, 69, 91, 93, 94, 122-24, 126
Radford, S. E., 355, 655, 656, 660, 661, 663, 666, 671, 673
Radford, T., 79
Radha, V., 112
Radhakrishnan, R., 483, 489, 493, 497
Radin, N. S., 10
Radziejewska, E., 470, 842
Raetz, C. R. H., 130, 132, 135
Raff, E. C., 433, 436, 438, 440
RAFFIONI, S., 823-50; 842, 843
Ragnini, A., 592, 593
Rahire, M., 597
Rahman, A., 418
Rahman, M. A., 268
Raibaud, O., 766, 772, 776, 777, 787, 788
Raivich, G., 839
Raj, N. B. K., 197
Rajbhandary, U. L., 265, 594, 742
Raju, B., 558
Rak, B., 907
Rakowicz-Szulczynska, E. M., 837
Raley, T. J., 84
Rall, L. B., 519
Ralph, P., 524, 525, 533, 534
Ralph, R., 234
Ralph, S. J., 103, 108
Ram, Z., 209
Ramachandran, C., 113
Ramaekers, F., 306
Ramanujam, P., 37, 39
Rambourg, A., 327, 328
Ramer, S. E., 109, 111, 113
Ramirez, M. I., 122
Ramsey, N., 626
Ramu, A., 414
Rance, M., 271, 675
Ranchalis, J. E., 524
Randall, L. L., 350, 356, 359
Randall, S. K., 351, 359
Rands, E., 863
Ranish, J. A., 169, 171
Rannefeld, A. N., 9
Rao, J. K. M., 545, 546, 548, 551, 553, 555, 566, 569, 573
Rao, L., 630
Rao, S. T., 723
Rapaport, E., 733
Rapaport, J. M., 627, 628
Raper, J., 122, 133
Raponi, R., 399
Rapoport, T. A., 507

Rapp, G., 867
Rapp, U. R., 454, 466, 467, 473, 842, 882
Rappaport, J., 197
Rappaport, R., 342
Rashidbaigi, A., 483
Rashin, A. A., 146
Rassow, J., 352, 356, 359, 362, 375
Ratanasavanh, D., 399
Ratliff, R. L., 263
Ratnasabapathy, R., 920
Ratner, N., 873
Rauch, C., 517, 525, 532
Rauenbuehler, P., 271, 275
Raunio, H., 393
Rauscher, F. J., 644
Rave, H. A., 233, 235
Ravert, H. T., 508
Ravi, L., 132, 135
Raviv, Y., 415, 416, 490
Rawlings, S. L., 266
Rawlins, D. R., 43
Ray, J. A., 258
Ray, L. B., 843
Ray, P. H. Jr., 359, 525
Ray, S., 36
Raybaud, F., 471
Raybuck, M., 631
Raychaudhuri, G., 295, 297
Raychaudhuri, P., 634
Raycroft, L., 641
Raymond, C. K., 220, 342
Raymond, M., 390, 391, 393, 394, 398, 401-3
Rayter, S., 461, 878, 879
Raz, A., 640
Raz, E., 464
Raza, A., 401
Razgulyaev, O. I., 662, 665, 666, 671, 672
Ready, D. F., 526
Reardon, I. M., 554
Reardon, J. E., 690, 709
Rebay, I., 519
Rechavi, G., 636
Record, M. T. Jr., 896
Recsei, P. A., 21, 23
Redding, K., 532
Reddy, E. P., 865
Reddy, M. K., 686, 688, 689, 691, 695, 706, 707, 710
Reddy, P., 165, 166
Reddy, U. R., 833, 841
Redenbach, D. M., 443
Redfern, J. M., 81, 94
Redfield, A. G., 272
Redford, P., 854, 870
Redshaw, S., 545, 570
Reed, J., 367
Reed, L. J., 4
Reed, R., 310
Reed, S. I., 103, 107
Reeder, R. H., 166
Reedijk, M., 467, 468
Reems, J. A., 688
Reese, T. S., 432, 433, 436-38, 440, 443, 446
Reggio, H., 326, 327
Reha-Krantz, L. J., 704
Rehm, E. J., 109, 295
Rehman, M., 363
Reich, M., 519
Reich, N. C., 641
Reichardt, L. F., 834
Reichel, R., 634
Reichelt, R., 221, 228
Reichert, E., 12
Reichlin, S., 116
Reid, B. R., 272, 275
Reid, G. A., 220
Reid, H. H., 472
Reid, S. W., 469, 835, 836
Reidhaar-Olson, J. F., 140
Reilly, C., 116
Reimmann, C., 784
Rein, T., 39, 42
Reinberg, D., 162, 163, 166-72, 174-79, 184
Reinders, R. J., 290
Reines, D., 166, 169-71, 177, 902
Reiness, G., 756
Reinhard, D. H., 395, 396
Reinhold, B. B., 85
Reinhold, D. S., 843
Reinhold, V. N., 80, 81, 85, 123, 125, 132
Reinhold-Hurek, B., 592, 593
Reinke, R., 526
Reinstein, J., 867
Reisman, D., 35
Reiss, Y., 863
Reith, A. D., 468
Rema, V., 112
Remacle, C., 597
Remboutsika, E., 110, 114
Remis, D., 372
Remm, M., 640
Ren, Y. L., 761, 769
Rennell, D., 140, 141
Renoir, J.-M., 350, 374
Rensland, H., 875
Resau, J. H., 468
Resnitzky, D., 630, 642
Rettenmier, C. W., 467, 524, 525, 528, 529, 531-36
Rettig, W. J., 839, 840
Reue, K., 500
Reuter, G., 93
Reuter, R., 306
Reutter, W., 71
Revzin, A., 751, 758, 759, 765, 768, 769
Reynolds, A. E., 907
Reynolds, C., 526
Reynolds, R. K., 865, 901
Reynolds, T. C., 518
Reznikoff, W. S., 766, 768, 771, 773, 781, 783, 897
Rhee, S. G., 454, 459, 463, 467, 812, 813, 816
Rhee, S.-K., 233
Rhim, J. S., 865
Rhode, P. R., 43
Rhodes, J. D., 115, 116
Riazance, J. H., 263
Riccardi, V. M., 644, 873
Rice, A. P., 517, 518, 524, 920, 921
Rice, D. W., 783
Rice, G. A., 268, 897, 900
Rice, G. C., 526, 830
Rice, J. A., 687
Rice, J. M., 865
Rice, P. A., 690, 709
Rice, P. W., 41, 782
Rich, A., 265, 275, 717
Rich, D. H., 545, 558, 561, 569, 570, 572, 576
Richards, A. D., 545, 555, 572
Richards, F. M., 142, 483, 487, 488, 493, 495, 500, 673
Richardson, C., 396, 418
Richardson, C. C., 688-90, 692, 702-4, 710
Richardson, D. C., 153, 155, 744
Richardson, H., 103, 107
Richardson, J. P., 894, 904-6, 912
Richardson, J. S., 153, 155, 744
Richardson, K. L., 95
Richardson, P. M., 838
Richardson, R. W., 689, 695, 710
Richardson, W. D., 221, 223, 235-37
Richert, N., 386, 387, 390, 399, 403, 414
Richert, N. D., 399, 408, 413
Richet, E., 776, 777
Richmond, R., 803
Richter, W. J., 86
Rick, P. D., 93
Ricupero, S. L., 167
Riddell, S. R., 206
Riddle, D. L., 182
Ridley, A. J., 462
Ridley, T. Y., 672
Riedel, N., 239
Rieder, C. L., 446
Riehl, R., 876
Riehm, H., 386, 387, 389, 413
Riemen, T., 290
Rieser, G. D., 841
Riesner, D., 268
Riet, J. V., 233, 235

Rietschel-Berst, M., 93
Riezman, H., 132
Riftina, F., 769
Rigby, P. W., 166
Riggs, A., 756
Riggs, M., 870
Rijkse, I., 94
Riley, W. D., 21, 23
Rill, D. R., 205
Rimsky, S., 779
Rine, J., 241, 863, 864
Ringlemann, A., 17
Rinke, J., 306
Rinkel, L. J., 272, 274
Riopelle, R., 469
Riopelle, R. J., 825, 838
Riordan, J. F., 531
Riordan, J. R., 387, 390, 394, 397, 407, 408, 410, 412, 414
Rios, C. B., 458
Riou, G., 401, 636, 641, 643
Rippmann, F., 358
Risler, J.-L., 716, 718, 719, 723, 726, 727, 734, 735, 738
Ritchie, J. C., 545, 570
Rittenhouse, A. R., 470
Rittman-Grauer, L., 397, 398
Riva, S., 295, 298, 299
Rivellini, F., 904, 905
Rives, M., 193
Rivett, A. J., 812, 813, 816, 817
Ro, J., 401
Ro, J. Y., 401
Roa, A., 339
Roa, M., 500
Roach, P. J., 101
Robanus Maandag, E., 399
Robbins, D. J., 470, 842
Robbins, E., 327
Robbins, J., 232
Robbins, P. W., 246
Robeldo, R., 919
Robert, J., 918, 919
Robert-Nicoud, M., 55
Roberts, A. B., 517, 520, 532, 535, 824
Roberts, B. L., 236, 237
Roberts, C. J., 220
Roberts, D., 863
Roberts, G. D., 70
Roberts, J., 896, 900
Roberts, J. D., 690
Roberts, J. L., 272
Roberts, J. M., 33, 40
Roberts, J. W., 256, 893, 894, 901, 905, 906, 908-11, 914, 917
Roberts, N. A., 555, 558
Roberts, R., 545, 555, 572
Roberts, R. E., 783, 785, 786
Roberts, S. J., 330, 332, 333, 337
Roberts, T., 227, 228
Roberts, T. M., 461, 467, 470, 471, 473, 842, 843, 866, 882
Roberts, W. J., 300, 303, 310
Roberts, W. L., 123, 125, 126
Robertson, A. D., 656
Robertson, C. A., 777
Robertson, E. C., 38, 39
Robertson, M., 873
Robertson, S. A., 507
Robertson, S. C., 458
Robertus, J. D., 24
Robin, A., 753
Robineau, S., 595
Robinow, C. F., 327, 339, 342
Robinow, S., 297
Robins, D., 197
Robins, T., 867, 868, 875, 877
Robinson, E. C., 39, 41
Robinson, L. C., 853, 854, 874
Robinson, M. S., 323, 329
Robinson, P. J., 135
Robitsch, H., 233, 246
Robledo, R., 918, 919
Roblin, R., 192
Robson, R. J., 483, 489, 493, 497
Rochaix, J.-D., 591, 597, 615
Rochford, R., 37, 42, 521
Rock, C. O., 467
Rockwell, P., 773
Rodeck, V., 837
Rodel, G., 595
Rodenhuis, S., 852
Roder, H., 656, 659-61, 664, 667, 673
Rodgers, L., 864, 870
Rodionov, V. I., 437, 440, 445
Rodionova, N. A., 662, 665, 666, 672
Rodrigues, R., 816
Rodriguez-Boulan, E., 122, 135
Rodriguez-Tebar, A., 836
Rodwell, A. W., 21
Roe, B. A., 275
Roeder, P. E., 483
Roeder, R. G., 162, 163, 165, 166, 168-72, 175, 176, 178, 180
Roelofs, M. E. M., 390
Roesser, J. R., 507
Rogel, A., 636
Rogelj, S., 627
Rogers, E., 352, 366, 367
Rogers, J., 330, 333
Rogers, K. A., 115
Rogers, K. T., 520
Rogers, M. E., 81, 94
Rogers, M. J., 716, 718, 736, 738, 739, 741-43
Roghi, C., 434, 435
Rohl, J., 350, 358, 376
Rohrer, H., 837
Roitelman, J., 416
Rokeach, L. A., 31
Roman, R., 197
Romaniuk, P. J., 266
Romano, L. J., 689
Romano, P. R., 399
Romby, P., 265, 266, 280, 281, 742
Römisch, K., 304
Rommens, J. M., 394
Ron, D., 471, 472
Roninson, I. B., 388-91, 395, 397, 398, 401-4, 409, 418
Ronnstrand, L. L., 457
Ronsin, C., 472
Roof, D. M., 434, 435, 440, 442
Rooney, J. W., 167
Roos, U. P., 325, 336
Roquemore, E. P., 67
Rosbash, M., 222, 243, 316
Rose, C. S., 7
Rose, E., 391, 401
Rose, J. K., 135
Rose, M. D., 227, 228, 243, 350, 351, 362, 434, 435, 440-42
Rose, P. M., 433
Rose, T. M., 520, 535
Rosel, J. L., 105
Roseman, J. E., 817
Roseman, S., 750, 752
Rosen, C. A., 197, 920, 922
Rosen, D., 800
Rosen, H., 803
Rosen, N., 391
Rosen, O. M., 113, 395, 465
Rosenberg, A. H., 689, 710
Rosenberg, J. M., 275
Rosenberg, L., 524, 527
Rosenberg, M., 545, 866, 904, 906
Rosenberg, R. K., 638
Rosenberg, S. A., 203, 208, 863
Rosenberry, T. L., 123, 125, 126, 130, 132, 134, 135
Rosenfeld, M. A., 193, 199, 202
Rosenfeld, M. G., 132, 135, 192, 463
Rosenthal, A., 469
Rosenthal, E. R., 199, 202
Rosenthaler, J., 21
Rosenwald, A. G., 490
Rosevear, P. R., 727, 728, 734
Rosman, G. J., 193
Rosnet, O., 468
Ross, A. H., 483, 489, 497, 827, 830, 840, 841
Rossant, J., 639
Rosse, W. F., 135

Rossero, R., 135
Rossi, B., 489, 490
Rossi, P., 298
Rossmann, M. G., 112, 723
Rossomando, E. F., 734
Roth, J., 327
Roth, M. B., 297, 311
Roth, R. A., 461, 464-66
Rothbard, J. B., 358
Rothberg, K. G., 135, 330
Rothblatt, J., 228, 237, 242, 243, 361
Rothblatt, J. A., 228, 243
Rothenberg, M. L., 401, 402
Rothenberg, P., 465, 466
Rothfield, L. I., 908
Rothman, J. E., 323, 327, 330, 332, 333, 337, 338, 350-52, 354, 355, 357, 358, 361, 365-67, 370, 376
Rothman, J. H., 342
Rothstein, D. M., 114
Rothstein, R. J., 602
Rothwell, S. W., 433, 438
Rotin, D., 463
Rotsaert, J., 89, 90
Rottapel, R., 468
Rotter, V., 636, 640, 643
Roudebush, M., 872, 873, 878
Rould, M. A., 276, 716, 718, 719, 723, 726, 727, 736, 738, 739, 743, 744
Rouleau, G. A., 831
Roussel, M. F., 467, 468, 524, 525, 532-35, 870
Rout, M. P., 231
Roux, M., 868
Rowbottom, J., 800, 810
Rowley, D. A., 803
Rowley, J. D., 625
Roy, A., 165, 753
Roy, A. K., 833
Roy, A. L., 169
Roy, H., 350, 352, 364, 365
Roy, S., 545, 547, 556, 566, 568, 922
Royal, N., 717
Rozen, F., 297
Rozijn, T. H., 226
Rozmahel, R., 394
Ruben, S. M., 922
Rubenstein, A. E., 841
Rubenstein, J. L. R., 202
Rubin, B. R., 817
Rubin, C. M., 266
Rubin, G. M., 103, 110, 114, 394, 456, 462, 526, 854, 870
Rubin, J. R., 517, 726, 735
Rubin, J. S., 471, 472
Rubin, S. L., 842
Rubinfeld, B., 869, 870
Ruby, S. W., 243
Ruddle, F. H., 197
Ruderman, J. V., 882
Ruderman, N. B., 465
Rudge, K., 640
Rudick, J. B., 397, 399
Rudinger, J., 716, 718, 743, 744
Rudolph, R., 350, 352, 366, 367, 371
Rueff, F., 12
Ruff, M., 276, 716, 718, 719, 722, 723, 736
Ruff, V. A., 374
Ruffner, D. E., 260
Ruiz, J. C., 391
Ruiz, L. F., 459
Ruiz, M. M. V., 166
Ruiz Contreras, R., 86
Ruley, H. E., 853, 878
Ruley, M. A., 855
Rulong, P., 468
Runswick, M. J., 393
Ruoff, B. M., 597
Ruoho, A. E., 407, 483, 494, 503
Ruoslahti, E., 527
Rupp, G., 446
Ruppel, P., 825
Rusche, J. R., 263
Rushmore, T., 400
Russel, M., 689
Russell, D. W., 529, 530, 863
Russell, E. S., 525
Russell, I. D., 226
Russell, P., 103, 106, 107, 111, 817
Russell, W. C., 30, 34, 38, 39, 41
Russo, F. D., 773, 774, 896
Ruta, M., 855
Rutherford, A. V., 390, 395, 399
Rutherford, T. J., 79
Rutledge, B. J., 517, 518, 523
Rutledge, R. A., 859, 862
Rutter, W. J., 465
Ryan, M. A., 525
Ryan, U. S., 193
Ryffel, B., 407
Ryono, D. E., 570
Ryu, S., 760

S

Saad, M. J. A., 466
Saalau-Bethell, S. M., 667
Saanghera, J. S., 454
Saarma, M., 840
Sabbatini, P., 630
Sabloff, M., 56
Sabour, M. P., 228
Sabourin, J. R., 609, 614
Sacca, R., 467, 524
Saccone, G. T., 95
Sachs, L., 630, 642
Sack, F. D., 340
Sadhu, K., 103, 107
Sadler, I., 228, 234, 237, 239, 242, 243, 361
Sadowski, I., 104
Saeki, T., 395, 414, 521
Saenger, W., 256, 258
Safa, A. R., 389, 404, 407, 408
Safer, B., 162, 169, 170
Saga, Y., 103, 108
Sager, P. R., 330, 331
Sagitov, V., 903, 904
Sagstetter, M., 359
Sahakian, J. A., 816
Sahin, A., 401
Sahli, R., 642
Saibil, H., 350, 353, 368, 372, 373
Saier, M. H. Jr., 750, 752, 780
Saigo, K., 545
Sainio, K., 840
Sainsard-Chanet, A., 608
Saito, H., 103, 108-10, 112, 114, 116, 360
Saito, I., 810, 811, 813
Sajjadi, F. G., 474
Sakaguchi, A. Y., 638
Sakai, H., 353, 374
Sakai, M., 36, 37, 41, 43
Sakamoto, H., 297, 316
Sakamoto, M., 600
Sakamoto, Y., 73
Sakata, T., 260
Sakoda, T., 876
Sakurai, Y., 386-88, 416
Sakuraoka, A., 660, 663, 670, 671
Salahuddin, A., 655, 656
Salas, M., 30, 31, 41
Saldanha, R., 588, 590, 596, 609, 614, 615
Saldanha, R. J., 593, 595, 597, 602, 613
Sale, W. S., 443
Sali, D., 150
Salituro, F., 572
Salles, B., 780
Salminen, A., 396
Salmon, E. D., 432, 435, 440, 443, 445
Salmonel, G. P. C., 393
Salo, D. C., 817
Salomon, D. S., 521
Salomon, R. N., 193
Salomon, Y., 490
Salser, S., 432
Salstrom, J. S., 910
Salter, D. W., 199
Saltiel, A. R., 122, 125, 135, 470, 842
Saltzman, A. G., 162
Salvaris, E., 474

Samaniego, S. G., 570
Samarina, O. P., 290
Sambrook, J., 228, 265, 350, 351, 355, 362, 677
Sameshima, M., 55
Samowitz, W., 646
Sampson, J. R., 266
Sampson, K., 398, 400, 409
Sampson, K. E., 400, 409
Samuels, M. A., 162, 163, 166, 169, 176
Samuelson, J., 394
Samuelsson, B. E., 79
Samulski, R. J., 199, 212
Samuni, A., 814
Sanchez, E. R., 350, 374
Sanchez, J. A., 55
Sanchez-Pescador, R., 519, 532
Sanchez-Ruiz, J. M., 655
Sancho, J., 150
Sandberg, W. S., 143
Sander, C., 854
Sanders, D. A., 852, 866
Sanders, R., 760
Sanders, S. L., 220, 228, 243, 350, 351, 362
Sanders, W. M., 556
Sanders-Haigh, L., 197
Sanderson, M. R., 691, 692
Sandgren, E. P., 520
Sandoval, I. V., 339
Sandoz, D., 327
Sanes, J. R., 202
Sanfacon, H., 717
Sanni, A., 740
SANTALUCIA, J. JR., 255-87; 260, 262, 278
Santikarn, S., 123, 125
Santos, E., 831, 833, 834, 865
Sanyal, P., 876
Sanz, P., 228, 243, 359
Sap, J., 114
Saqi, M. A. S., 280
Sarangi, F., 390, 393
Sarasin, A., 199
Saraste, M., 393
Sardana, V. V., 304
Sargan, D. R., 353, 374
Sargent, D., 675
Sargueil, B., 596, 597, 615
Sariola, H., 840
Sarkadi, B., 408, 411, 417
Sarnecki, C., 461, 470, 471, 843, 882
Sarnow, P., 631
Sarre, T. F., 301
Sasaki, T., 871, 877
Sass, H., 306
Sass, P., 881
Sassone-Corsi, P., 882
Satake, M., 36, 37, 41-43
Satchwell, S. C., 765
Sathananthan, A. H., 327
Sathyanarayana, B. K., 545-49, 553, 561, 566, 567
Satir, P., 443, 446
Sato, H., 401
Sato, S., 397, 400, 402, 418
Sato, Y. R., 440
Satoh, H., 600
Satoh, T., 460, 461, 864, 870, 872, 877, 878
Sato-Yoshitake, R., 446
Sauer, K., 261
Sauer, R. T., 140, 717, 923
Sauer, U., 140, 147-50, 154
Saulino, A. M., 871, 872
Saunders, D. A., 460, 461
Saunders, W. S., 434, 435, 440, 442
Sauterer, R. A., 290
Sauvageot, D., 71
Sauve, G. J., 640
Saville, B. J., 594, 600, 610, 616, 617
Sawadogo, M., 162, 163, 168, 169, 175, 178, 180, 182, 183, 920
Sawers, R. G., 784
Sawhney, R. K., 295, 297
Sawin, K. E., 432, 434, 435, 447
Sawyer, T. K., 544, 545, 554-56, 566, 567
Saxe, S., 758, 759
Saxon, P. J., 624
Saxton, W. M., 433, 436, 438, 440
Sayre, M. H., 162, 169-71, 175-77, 179, 183
Scafe, C., 182
Scaife, J. G., 773
Scangos, G. A., 197
Scarborough, G. A., 408, 411, 417
Scaringe, S., 736, 741, 742
Scarlato, V., 597, 599
Scarpa, M., 192, 193
Scazzocchio, C., 258, 598
Schaap, P. J., 233, 235
Schaar, B. T., 435, 447
Schaber, M. D., 863, 869-71, 878
Schachenmann, A., 507
Schachter, H., 67
Schaeffer, J. P., 862
Schäfer, K. P., 290, 294, 297, 298, 310
Schafer, T., 837
Schafer, W. R., 863
Schaffer, P. A., 34, 37
Schaffner, W., 37
Schall, T. J., 526, 830
Schaller, U., 493, 495, 501, 502
Schally, A. V., 116
Schanen-King, C., 842
Scharfmann, R., 193
Schatteman, G. C., 839, 840
Schatz, C., 853, 883
Schatz, G., 350, 351, 356, 359, 362, 375
Schauer, A. T., 911, 914-16
Schauer, R., 93
Schaup, H. W., 268
Schechter, A. L., 522
Schechter, I., 560
Schecterson, L. C., 839
Schedl, P., 297, 316
Scheer, U., 221, 228, 231
Scheffner, M., 631, 632, 642, 643
Scheib-Wixted, S. M., 301
Schejter, E., 854
Schekman, R., 220, 228, 243, 323, 337, 350, 351, 359, 361
Schekman, R. W., 350, 351, 362
Scheller, A., 44
Schellman, J. A., 659, 669, 670, 674, 677
Schena, M., 247
Schenkel, J., 298
Scheper, R. J., 401
Scheraga, H. A., 518
Scherb, B., 784
Scherer, A., 867, 870
Scherer, E. M., 193, 202
Scherer, P. E., 350, 351, 356, 362, 375
Scherly, D., 300, 301
Scherrer, L. C., 350, 353, 374
Scherson, T. Y., 227, 228
Schevitz, R. W., 275
Schiavo, G., 493, 500
Schiavon, E., 594, 595
Schibler, U., 162
Schickor, P., 896, 899
Schiebel, E., 359
Schievella, A. R., 103
Schildkraut, C. L., 32, 37, 47
Schiller, J., 875
Schiller, P. W., 489, 504
Schilling, K., 808, 810, 811
Schimke, R. T., 416
Schimmang, T., 226, 229
Schimmel, P. R., 263, 264, 276, 716-19, 721, 723, 726-28, 733, 735, 736, 741, 742
Schindler, C., 116
Schinkel, A. H., 389, 390, 394, 399
Schinzel, R., 20
Schirmer-Rahire, M., 591
Schlegel, R. A., 107
Schleif, R., 758, 778
Schleif, R. F., 778, 779, 782
Schleif, W. A., 544, 545
Schleifer, L. S., 833

Schlenstedt, G., 359
Schlesinger, M. J., 94, 350
Schlessinger, J., 114, 455, 456, 459, 463-65, 468, 471-73, 519, 824, 834, 842, 843
Schlessinger, J. H., 833
Schlichting, I., 867, 870
Schliwa, M., 343, 446
Schlom, J., 855
Schlossman, S. F., 103, 108, 109, 114
Schmelzer, C., 591, 605
Schmid, C., 266
Schmid, F. X., 355, 655, 660, 665, 667, 673, 677
Schmid, S. L., 330, 350, 351, 357, 358, 361
Schmidt, A. M. A., 35
Schmidt, F. J., 259
Schmidt, H., 544, 545
Schmidt, J. R., 641
Schmidt, M., 37, 350, 352, 366, 367, 371
Schmidt, M. C., 165, 168, 183, 899, 901, 906
Schmidt, U., 608
Schmidt-Wolf, G., 397
Schmidt-Wolf, I., 397
Schmieder, P., 275
Schmitt, J., 39
Schmitz, A., 765, 896
Schmitz, B., 94
Schmitz, G., 595, 615
Schmitz, M. L., 245
Schmitz, U., 270
Schnabel, P., 297
Schnapp, B. J., 432, 433, 436-38, 440, 443, 446
Schnapp, K., 486, 487
Schnare, M. N., 592, 593, 597, 598
Schneider, C., 393
Schneider, J., 401, 545, 546, 548, 553, 561, 566, 567, 569
Schneider, P., 123, 125
Schneider, R., 831, 836
Schneier, K. A., 414
Schneikert, J., 42, 43, 883
Schnetz, K., 907
Schoenlein, P., 389, 412
Schoenlein, P. V., 391, 413, 416, 418
Schofield, T. L., 871, 878
Scholes, G., 800
Scholey, J. M., 432, 433, 436, 437, 443
Schols, D., 690, 709
Scholte, B., 397
Scholte, B. J., 752
Scholtz, J. M., 655
Schöneich, C., 810
Schoolnik, G., 221, 238, 239
Schrader, J. W., 468
Schramel, A., 350, 352, 365, 376
Schray, K. J., 698
Schreiber, A. B., 519
Schreiber, S. L., 350, 374, 493
Schrier, W. H., 306
Schrock, A. K., 486
Schroder, H. C., 222, 223, 243
Schroeder, C. J., 781
Schroeder, G. G., 466
Schroeder, G. J., 465
Schroeder, R., 605, 611
Schroeder, S., 165, 166
Schroer, T. A., 339, 440, 443, 444, 446
Schroit, A. J., 494, 503
Schroth, G. P., 765
Schubert, A. E., 35
Schubert, D., 517, 518, 521, 527, 532
Schubert, M., 94
Schuchman, E. H., 192, 193
Schueler, D., 267
Schuelke, G. S., 647
Schuening, F. G., 193
Schuessler, H., 808, 810-12
Schuetz, T. J., 44
Schuler, D., 267
Schulman, L. H., 733, 734, 736, 740, 742, 743
Schulte, E., 608
Schultz, A. M., 545, 554, 555
Schultz, J. E., 753
Schultz, M. C., 166
Schultz, N., 222
Schultz, P. G., 507, 510
Schultz, R., 839
Schultz, S. C., 304, 755, 771
Schulz, B., 221
Schumacher, R., 465
Schumann, R., 867, 870
Schurr, E., 405, 417
Schuster, G., 297
Schuster, G. B., 486
Schuster, W., 591, 600
Schuurhuis, G. J., 412
Schvartzman, J., 32
Schwartz, D., 752, 753
Schwartz, J. H., 110
Schwartz, M. A., 508, 766, 776, 787
Schwartz, P. E., 535
Schwarz, K., 7
Schwarz, R. T., 129-31
Schwarzschild, M. A., 470
Schwedes, J. F., 34
Schweiger, M., 831, 836
Schweigerer, L., 471
Schweighoffer, F., 871
Schweitzer, J. B., 839
Schweizer, D., 225
Schwemmle, M., 301
Schwert, G. W., 21
Schweyen, R. J., 595, 605
Schwick, H. G., 75
Scimeca, J.-C., 842
Sclüter, A., 784
Scocca, J. R., 72
Scolnick, E. M., 862, 863, 865, 866, 868, 870, 871, 877-79, 881
Scott, A. F., 855, 862
Scott, J., 519, 532, 838
Scott, R. M., 602
Scottgale, T. N., 518
Scotto, K. W., 390
Scrable, H., 872
Scudder, P., 89, 90
Scully, P., 632
Scurr, R. D., 401
Sczakiel, G., 866
Seabra, M. C., 863
Seagrave, J. C., 329, 330, 333
Seamon, K. B., 407, 408
Searfoss, G., 471, 472
Searles, L. L., 611, 895
Sedat, J. W., 220, 223
Seddon, A., 245
Sedgwick, S. G., 599
Sedlacek, J., 556
See, Y. P., 414
Seeburg, P. H., 517, 855, 862, 865
Seed, B., 830
Seehra, J. S., 689, 690
Seeley, T., 640
Seelmeier, S., 544, 545
Seeman, N. C., 275
Seetharam, R., 367
Sefton, B. M., 101, 104, 350, 374, 863
Segal, M., 351, 362, 881
Segall, J., 162, 169, 170
Segawa, T., 894
Segev, N., 336, 342
Segrest, J. P., 501
Sehgal, A., 469, 826, 834
Seibel, G. L., 575
Seid, C., 409
Seidita, G., 875
Seif, I., 34
Seifried, S. E., 905
Seiger, A., 838
Seizinger, B. R., 831
Sekeris, C. E., 298
Seki, M., 33, 624, 647
Seki, T., 128
Sekiya, T., 638
Sela, M., 355
Selander-Sunnerhager, M., 519
Selby, M., 838
Selby, M. J., 920, 922
Selegue, J. E., 45, 47
Self, A. J., 869, 882
Selig, S., 37

Sell, S., 360
Semb, J., 8
Semba, K., 522
Semba, T., 234, 239
Semenza, G., 493-97, 501
Semenza, J., 327, 339
Semisotnov, G. V., 660-62, 664-66, 671, 672
Sempson, S. R., 840
Sen, S., 391
Sender, L. S., 192, 193
Senear, A. W., 197
Senger, B., 716, 740, 743
SenGupta, D. N., 294, 295
Senior, A., 221, 228, 243, 326
Senior, P., 462, 875
Senn, H., 487, 488
Sentenac, A., 162, 163, 166, 182, 183, 920
Seo, Y. S., 31
Seong, B. L., 742
Seow, K. T., 103, 108, 110, 114
Sepulveda, F. V., 399, 405, 413, 417, 418
Serafini, T., 337
Séraphin, B., 592, 593, 597, 607
Serianni, A. S., 272, 274
Serizawa, H., 172, 173, 174, 184
Serrano, A. E., 394
Serrano, L., 147, 150, 154, 156, 158, 656, 659-61, 669, 672, 673
Serrano, M., 41, 116
Serre, M.-C., 781
Serruys, P. W., 196
Serth, J., 870
Sery, T. W., 627
Seshadri, R., 391
Seto, E., 169
Setterfield, G., 228
Settleman, J., 461, 880
Setyono, B., 290
Seufert, W., 31
Severs, N. J., 223
Sevlever, D., 132, 135
Sewell, J. L., 407
Seymour, A., 641, 642
Shabb, J. B., 755
Shackelford, D. A., 108
Shackleton, C., 134
Shadel, G. S., 779
Shafritz, D. A., 197, 198
Shah, H. D., 389
Shaibe, E., 754
Shalaby, F., 197, 198
Shales, M., 182, 895
Shaltiel, S., 817
Sham, H. L., 574
Shamanski, F. L., 853
Shames, B. D., 816
Shanblatt, S. H., 765, 769
Shanina, N. A., 433
Shank, P. R., 860
Shankar, A. H., 394
Shapiro, B. A., 901
Shapiro, L., 687
Shaposhnikova, A. A., 94
Sharma, M., 599, 612
Sharma, R. C., 416
Sharman, A. F., 717
Sharnick, S. V., 220, 221
Sharp, G., 306
Sharp, K. A., 143
Sharp, P. A., 162, 163, 165, 166, 169-72, 175-80, 182, 260, 294, 296, 299, 304, 314, 316, 604
Sharpe, A. H., 835
Sharpless, N. E., 799
Sharrock, R. A., 916
Sharrocks, A. D., 786
Shatkin, A. J., 180
Shaulsky, G., 636, 643
Shaw, D. J., 783
Shaw, G., 400
Shaw, J. E., 918
Shaw, J. M., 342
Shaw, P., 642
Shay, J. W., 641
Shea, E. M., 80
Shearman, M. S., 468
Sheehan, M. A., 55, 327
Sheeley, D. M., 80
Sheer, D., 636
SHEETZ, M. P., 429-51; 339, 433, 436-40, 443-46
Sheffield, W. P., 351, 359
Sheldon, M., 920
Sheline, C. T., 922
Shemyakin, M. M., 16
Shen, D.-w., 386, 387, 390, 391, 397, 401, 403, 414
Shen, F. W., 103, 108
Shen, S. H., 103, 104, 114
Shen, W. P. V., 414
Sheng, Z., 518
Shenk, T., 169, 299, 316
Shepherd, J. C., 337
Sherline, P., 842
Sherma, J., 73
Sherman, F., 242
Sherman, M. Y., 350, 351, 364
Sherman, W. R., 79, 94
Sherr, C. J., 467, 468, 524, 525, 532-35
Sherry, B., 526
Shew, J.-Y., 627, 630-32
Shewach, D. S., 207
Shewchuk, L., 146
Shi, J.-P., 716, 728, 730, 736, 742
Shi, Y., 169, 267, 351, 357
Shiba, K., 717, 719, 721, 726, 733
Shibano, Y., 395, 414
Shibata, T., 598, 606, 612
Shibata, Y., 333
Shibuya, E. K., 882
Shields, G. C., 755, 771
Shields, M. T., 640
Shier, P., 464
Shifrin, V., 103
Shigeoka, S., 591, 607
Shigesada, K., 781
Shih, D. T-B., 150
Shih, L. B., 503
Shih, T. Y., 855, 862, 865, 866, 871
Shiki, Y., 600
Shilling, J., 350, 351, 356, 361, 362, 375
Shilo, B.-Z., 464, 854
Shimabuku, A. M., 395, 396, 411, 414
Shimada, H., 600
Shimada, I., 79, 518
Shimada, T., 199
Shimamoto, N., 656
Shimasaki, S., 175
Shimizu, K., 855, 865
Shimizu, M., 624
Shimizu, N., 391
Shimizu, T., 436, 446
Shimotohno, K., 192
Shimura, Y., 297, 316
Shinar, E., 812
Shindler, J. S., 717
Shingenaga, M. K., 798
Shinoda, M., 624
Shinomiya, T., 54
Shinozaki, K., 600
Shioda, M., 30, 50, 52
Shiokawa, K., 55, 244
Shipman, M., 329
Shirabe, K., 779, 780
Shirakawa, F., 245
Shirota, O., 73
Shlissel, M., 36
Shoelson, S. E., 465, 466
Shoeman, R. L., 554
Shoham, M., 358
Shon, J., 634
Shooter, E. M., 469, 824-27, 829, 830, 833, 837, 839-41
Shore, G. C., 351, 359
Short, S. A., 782
Shortle, D., 143, 145, 655, 658, 659
Shou, C., 462, 876
Shours, T. B., 636
Shoyab, M., 518, 520, 521, 532
Shpetner, H. S., 433, 443-45
Shpungin, J., 146
Shray, B., 247
Shuai, K., 116

Shub, D. A., 588, 592-94, 597, 599, 611-13, 615
Shuin, T., 624
Shukuya, R., 21
Shulman, R. G., 262
Shuman, H. A., 411
Shuman, S., 920
Shumard, D. S., 615
Shurtleff, S. A., 467, 468
Shustik, C., 389
Siddle, K., 465
Sidransky, D., 636, 638, 642, 643
Siebel, C. W., 461
Siebenlist, U., 896
Siegbahn, A., 467
Siegel, N. R., 830
Siegel, R. B., 258
Siegele, D. A., 773, 896
Siegfried, E., 456
Siegsmund, M., 398
Sielecki, A., 572
Sierakowska, H., 314
Sigal, I. S., 853, 854, 865, 866, 868, 871, 874, 877, 878, 881
Sigler, P. B., 275
Sigman, D. S., 266, 922
Sigmund, O., 843
Sigrist, H., 501
Sikic, B. I., 397
Sikorav, J-L., 128
Silber, R., 132, 135
Silberklang, M., 265
Silen, J. L., 356, 675, 676
Silhavy, T. J., 773, 774, 896
Siliciano, P. G., 258
Sillevis-Smith, W. W., 226
Silly, L., 84
Silva, J. T., 407
Silver, J., 128
Silver, J. C., 228
Silver, L. M., 372
Silver, P., 220, 221, 226, 233, 234, 237, 239, 240, 242, 243, 361
SILVER, P. A., 219-54; 220, 221, 225, 234, 235, 240, 361
Silverman, J. A., 393, 400
Silverman, M., 779
Simchen, G., 881
Siminovitch, L., 408
Simmen, K. A., 166
Simmers, R. N., 391
Simmons, N. L., 413
Simon, E. S., 272, 273
Simon, M. A., 456, 462, 592, 607, 854, 875
Simoni, R. D., 416
Simons, J. W., 647
Simpson, J. A., 810, 811, 817
Simpson, R. B., 895, 896
Simpson, R. T., 42, 55, 768
Sims, G., 773, 775, 786
Singer, B., 266
Singer, R. H., 223, 233, 234, 236
Singer, S. J., 104, 336, 337
Singer, V. L., 165
Sinha, N., 688
Siniscalco, M., 199, 212
Sinn, E., 165, 175
Sinski, A., 295
Sintchak, M. D., 146
Siomi, H., 294, 296, 304, 306
Sirr, A., 272
Sismeiro, O., 784
Sistonen, L., 882, 883
Sithanandam, G., 842
SivaRaman, L., 902
Six, S., 784
Sixma, J.-J., 72
Sixma, T. K., 500
Sizeland, A., 868, 870
Skach, W. R., 393
Skalka, A. M., 545
Skehel, J. J., 500
Skelly, P. J., 593, 606
Sklenar, V., 275
Skoglund, U., 222, 312, 316
Skolnik, E. Y., 459
Skoufias, D. A., 434, 440, 443
Skoultchi, A. I., 37
Skovsgaard, T., 387, 388, 416
Skowyra, D., 350, 351, 358, 362
Skriner, K., 295
Skuse, G. R., 873
Slack, J. M., 471
Sladicka, M. M., 107
Slagle, B. L., 639, 642
Slamon, D. J., 397, 398, 401
Slansky, J. E., 169
Slauch, J. M., 774
Slaughter, C. A., 434
Sleeman, A. M., 55, 327
Slein, M. W., 122
Sliwkowski, M. X., 517, 518, 522
Sloan, S. B., 918, 919
Sloboda, R. D., 443, 446
Slocum, H. K., 397
Slomiany, B. L., 126
Slonimski, P. P., 592-95, 599, 606, 607
Slotkin, T., 31
Slovak, M. L., 389
Sluder, A. E., 162, 172, 177, 179, 902
Slusarewicz, P., 327
Smale, S. T., 167, 168, 183
Smeal, T., 883
Smit, J. J. M., 399
Smith, A. C., 644
Smith, A. E., 235, 236, 237
Smith, B. A., 873
Smith, C. A., 526, 830
Smith, C. E., 830
Smith, C. J., 367
Smith, C. W. J., 314, 573
Smith, D. F., 350, 374, 596, 615
Smith, D. H., 855, 862
Smith, D. K., 258
Smith, D. M., 107
Smith, G. H., 520
Smith, K. J., 862
Smith, L. T., 734
Smith, M. J., 326, 336, 728
Smith, M. M., 35
Smith, M. R., 461, 854, 870, 877, 878
Smith, P. R., 364
Smith, R. A. G., 487
Smith, R. D., 84
Smith, S., 400, 409
Smith, T. F., 719, 723
Smithies, O., 53
Smolec, J. M., 196
Smucker, A. A., 17
Smythe, C., 55, 334, 338
Smythe, E., 329, 330, 334
Smythers, G. W., 865
Sneden, D., 258, 275
SNELL, E. E., 1-27; 4-10, 12-21, 23, 24
Snog-Kjaer, A., 3
Snow, C. M., 221, 228, 326
Snow, P. M., 109
Snyder, M., 50, 224, 226, 227
Snyder, R., 196
Snyder, S. H., 825
Sobue, G., 841
Soder, O., 839
Soderlind, E., 147, 148
Soderman, D. D., 863
Sodroski, J. G., 920
Soffir, R., 390
Søgaard-Andersen, L., 767, 780, 782, 783
Sogo, J. M., 40, 43, 45, 48, 49
Sohl, J. L., 675
Sohmen, R., 866, 867
Solam, L., 526, 830
Soler, N. L., 434, 435
Söll, D., 276, 716, 718, 719, 726, 727, 736, 738, 739, 741-43
Soll, D. R., 445
Soll, J., 351
Soll, L., 739, 742
Solomon, E., 646
Solomon, L. R., 295
Solomon, M. J., 106, 111
Solski, P. A., 862, 864
Soltes, G., 784
Soltoff, S. P., 842
Solymosy, F., 266

Somasekhar, G., 910
Sommer, L., 496
Sommerfield, A., 594, 600
Sommerville, J., 290, 308
Sonden, B., 779
Sonenberg, N., 297
Song, Y. H., 437
Sonneberg, N., 922
Sonnefeld, K. H., 840, 841
Sonneveld, P., 390, 401
Soppet, D., 469, 836
Sopta, M., 171, 172, 175, 177, 179
Sordat, B., 642
Soreng, A. L., 518
Sorensen, O., 79
Sorensen, O. W., 271, 272
Sorge, J., 192, 193, 199
Sorger, P. K., 353, 374
Sorm, F., 272
Sorrell, S., 400
Sorrentino, B. P., 193, 396, 418
Sortie, D., 355
Sosnick, T. R., 656
Sosnowski, B. A., 316
Sotila, L. D., 32
Souciet, J.-L., 233, 236
Soultanakis, E., 266
Soundararajan, N., 487
Soussi, T., 636
Souter, E., 328-31, 339
Southgate, C., 920, 922
Southgate, C. D., 920, 922
Sowder, R. C., 545, 554, 555
Sowers, L. C., 687
Spalholz, B., 39
Spandidos, D., 860
Spann, P., 309
Spanton, S. G., 574
Sparkowski, J., 896, 903, 914
Sparks, L., 433
Spassky, A., 763-66, 768-70, 773, 779
Spector, D. L., 244, 306
Speicher, L. A., 407
Spellman, M. W., 67, 69
Spence, J., 353, 374
Spencer, C., 893, 895, 920
Spengler, B. A., 387, 391, 413, 414, 840
Spenser, E. P., 363
Spenser, I. D., 18
Sperling, J., 309
Sperling, R., 309
Spiazzi, A., 130, 134
Spielmann, H. P., 267
Spiess, M., 493-95
Spina, E., 85
Spinelli, S., 546
Spiro, S., 783, 785, 786
Spivak, T., 460, 473
Spohr, G., 305
Sporn, M. B., 824
Spradling, A. C., 46, 55
Springer, J. P., 545, 548, 553, 572, 573
Springer, M., 717
Sprinzl, M., 717
Spritz, R. A., 301
Sproat, B. S., 305, 306
Squinto, S. P., 469, 836, 839
Squires, C., 910, 916
Squires, C. L., 910, 916
Srere, P. A., 375
Srisomsap, C., 95
Srivastava, S., 639
Srivastava, S. K., 865, 866
Srivatsan, E. S., 624
Staats, J., 409
Stacey, D. W., 461, 854, 870, 872, 873, 877, 878, 882
Stach, R., 838
Stach, R. W., 840, 841
Stachel, S. E., 616
Stack, R. J., 73
Stackhouse, T., 659, 668, 677
Stadler, J., 124, 134
Stadler, J. K., 389
STADTMAN, E. R., 797-821; 801, 804-6, 808, 810-14, 816, 817
Staehelin, L. A., 328, 340
Stafford, A. R., 395
Stafford, F. J., 115
Stahl, B., 83
Stahl, D. A., 258
Stahl, F., 391
Stahl, F. W., 602
Stahl, H., 49
Stahl, N., 124, 128
Stahl, P. D., 338
Stahle, C., 520
Staknis, D., 310
Staley, J. P., 672, 679
Stambrook, P. J., 53
Stan, C. M., 228, 231
Stanbridge, E. J., 624, 625, 644
Stancato, L. F., 374
Stanewsky, R., 297
Stankovic, C. J., 493
Stanley, E. R., 467, 524, 527
Stanley, J. C., 196
Stanners, C. P., 50
Staples, D. G., 545, 566, 567
Staples, D. J., 556
Stark, G. R., 116
Starke-Reed, P. E., 817
Staros, J. V., 483, 486
Starr, C. M., 220, 221, 228, 231
Starr, D. B., 165
Starzyk, R. M., 716, 723, 727
Stasiak, A., 771
Stearns, M. E., 433
Stefano, V., 459
Steger, G., 268
Stegmann, T., 493, 495, 500
Stehlikova, J., 566
Steiglitz, K., 397
Stein, C. K., 873
Stein, J., 528, 529, 531, 535, 536
Stein, P. A., 784
Stein, P. E., 676
Stein, R., 843
Stein, W., 387, 415
Steinberg, D., 817
Steinberg, T. H., 182, 183
Steiner, D. F., 103
Steiner, G., 295
Steinkirchner, T. M., 639
Steinlein, P., 197, 198
Steinman, R. M., 329, 340
Steinmetz, E. J., 905
Steitz, J., 256
Steitz, J. A., 290, 611, 920
Steitz, T. A., 276, 304, 358, 690-92, 704, 709, 716, 718, 719, 723, 726, 727, 736, 738, 739, 743, 754, 761
Stelzer, E. H. K., 431
Stem, M. J., 523
Stemenkovic, I., 830
Stempien, M. M., 517, 519, 532
Stemple, D. L., 433, 436
Stenberg, D. W., 833
Stenflo, J., 519
Stenger, J. E., 36
Stenlund, A., 32, 34, 39, 40
Stenoien, D. L., 440
Stensgard, B. A., 350, 374
Stephens, J. H., 183
Stephenson, D. A., 525
Stephenson, R. C., 863
Steplewski, Z., 840
Sterling, J. F., 297
Stern, D. F., 522
Stern, M. J., 456, 459, 462, 880
Stern, M. S., 202
Stern, R. K., 395, 397, 404, 407, 414
Stern, S., 265, 266
Sternberg, D. W., 842
Sternberg, L. R., 199
Sternberg, P. W., 456, 462, 463, 517, 518, 523, 533, 534, 854
Sterne, R. E., 394
Sterne-Marr, R., 221, 237
Sternglanz, R., 237
Sternlicht, M. L., 350, 353, 372, 373
Stetter, K. O., 352, 372
Steuer, E., 432, 439, 445
Steuer, E. R., 439, 443, 444, 446
Steup, M., 83
Stevens, B. J., 290
Stevens, C., 262

Stevens, J., 645, 874
Stevens, T., 220
Stevens, T. H., 342, 597, 599, 613
Stevens, V. L., 130-33, 135
Steward, R., 245
Stewart, C. R., 599
Stewart, J., 896, 899-901
Stewart, L. C., 342
Stewart, M. J., 199, 209, 221, 222, 326
Stewart, R. J., 432, 434, 435, 438, 440
Stewart, V., 786, 908
Stick, R., 55, 338
Stiege, W., 267
Stieger, B., 332
Stieger, S., 134
Stiller, E. T., 5
Stillman, B., 30, 35, 37, 38, 43, 45, 47, 50, 224
Stites, W. E., 143, 145
Stitt, T. N., 469, 836, 839
St. Johnston, D., 104
St. Louis, D., 193
Stochaj, U., 220, 221, 240
Stock, J., 863
Stockel, K., 837, 838
Stockert, R. J., 446
Stockschlaeder, M. A. R., 193
Stohl, L. L., 608, 609
Stokes, P. E., 865
Stokstad, E. L. R., 4, 8
Stolk, J. A., 297
Stoll, M. S., 81
Stoll, S., 93
Stoller, T. J., 554
Stoltzfus, L., 778
Stone, J. C., 104
Stone, K. L., 298, 301
Stone, N., 184
Stoner, C., 778
Storer, R., 578
Stork, P. J. S., 116
Stormo, G., 763
Stover, D. R., 114
Stow, N. D., 34
Stradley, S. J., 863
Stragier, P., 173
Stramm, L. E., 192, 193
Strand, A., 676
Straney, D. C., 767, 771, 780
Straney, S. B., 767, 771, 780, 897
Strasheim, L. A., 182
Stratford-Perricaudet, L. D., 199
Straus, D. B., 364
Strausfeld, U., 106
Strauss, B. H., 196
Strecker, G., 66, 75
Streuli, M., 103, 108-10, 112, 114
Stricker, J. E., 545
Strickland, R., 592, 593, 611
Strickler, J., 517
Strickler, J. E., 545
Stromberg, K., 521
Strong, F. M., 5, 6
Strong, L. C., 639
Stroobant, P., 517, 518, 524
Strop, P., 556
Stroup, A. N., 675
Stroynowski, I., 135
Strubin, M., 165, 166
Struhl, K., 162, 165, 166
Strupat, K., 83
Stryer, L., 264, 662
Stuart, G. W., 53
Stuart, R., 330, 332, 337
Stuart, S., 47
Studier, F. W., 237, 689, 710
Stuiver, M. H., 39
Stunnenberg, H., 39
Stunnenberg, H. G., 166
Sturbaum, A. K., 872
Sturgill, T. W., 843
Sturm, S., 211
Stürzbecher, H. W., 636, 640
Stutz, E., 601
Styles, C., 225
Su, W., 43
Suard, Y., 855
Subramani, S., 36, 474
Subramanian, E., 572, 573
Subramanian, K. N., 37, 39
Suchi, M., 192, 193
Suchy, M., 591
Suddath, F. L., 258, 275
Sudo, T., 408
Sugahara, K., 89
Sugai, S., 655, 656, 659, 660, 662-66, 669-73
Sugasawa, K., 49
Sugawara, I., 398
Sugawara, T., 656, 660, 663, 670, 671
Sugden, B., 35, 43
Suggs, S., 463
Suggs, S. V., 517, 518, 522, 523, 525, 533
Sugimori, T., 88
Sugimoto, N., 277, 278
Sugimoto, Y., 386, 403, 877, 878
Sugimura, T., 638
Sugita, M., 600
Sugiura, M., 297, 600
Sugiyama, E., 130-32, 135
Suguna, K., 573
Suh, P-G., 467
Suh, S.-P., 205
Suhan, J., 433, 434, 438
Suich, D. J., 507
Sujansky, E., 644
Sukhodolets, V. V., 782
Sulkowski, E., 265
Sullenger, B. A., 197, 922
Sullivan, J. F., 147
Sullivan, M. A., 353, 395, 418
Sullivan, M. L., 166, 167
Sullivan, M. T., 73
Sullivan, S. L., 906, 914, 919
Sullivan, W., 295
Sumi, M., 368
Sumimoto, H., 170, 171, 175, 176, 922
Sumita, K., 165
Sumizawa, T., 391, 407, 408
Summers, J., 196
Sumper, M., 94
Sun, C.-Q., 570, 576
Sun, S., 34, 40
Sun, T., 638
Sun, X-J., 465, 466
Sundaralingam, M., 276, 277
Sundseth, R., 172, 177
Sung, S. S., 88
Sunshine, M., 360
Suprynowicz, F. A., 107
Surana, U., 233, 246
Surowy, C. S., 301
Surratt, C. K., 507, 897, 903
Suryapranata, H., 196
Sussman, J. L., 256, 275, 276, 277
Suter, U., 833
Sutoh, A., 268
Sutter, A., 469, 825, 839
Sutton, A., 225, 361
Sutton, C. W., 83
Suzu, S., 524, 527
Suzuki, A., 79
Suzuki, H., 115
Suzuki, K., 597, 599, 613
Suzuki, N., 881
Suzuki, Y., 162
Svensson, S., 74, 80
Swain, A. L., 545, 549, 561, 569, 572
Swallow, A. J., 798, 811, 812, 814
Swallow, J. E., 632
Swanson, J. A., 440
Swanson, M. S., 290, 292, 294, 295, 298-301, 303-8, 310, 311, 316
Swanson, R. N., 739
Swanstrom, R., 545
Swaroop, M., 871
Swarup, G., 112
Swedlow, J. R., 329
Sweeley, C. C., 79, 88
Sweet, R., 197
Sweet, R. M., 676
Sweet, R. W., 866
Sweetser, D., 182
Swiedler, S. J., 66
Sychev, A. Y., 804
Symersky, J., 676

Symons, R. H., 256, 258
Szcherenyi, J., 843
Szczepanek, T., 593, 595, 596, 613
Szczesniak, B., 592, 593
Szeberenyi, J., 461, 470, 473, 474, 882
Szelke, M., 555
Szer, W., 294, 295, 297, 298, 314
Szewczak, A. A., 274
Szilak, I., 435, 444, 446, 447
Szilvassy, S. J., 193
Szmuness, W., 196
Szostak, J. W., 259, 260, 299, 602, 611
Szutowicz, A., 838
Szweda, L., 810, 813, 814
Szybalski, W., 910
Szymanski, P., 32, 34, 39, 40

T

Taba, M. R. M., 245
Tabak, H. F., 590
Tabin, C. J., 865
Tabor, C. W., 13
Tabor, H., 13
Tabor, J. H., 590
Tabor, S., 689, 692, 702, 704, 710
Taborsky, G., 813
Tachibana, T., 623
Tachibana, Y., 88
Taguchi, H., 368, 370
Taguchi, R., 122
Tahara, S. M., 221
Tai, P.-K. K., 350, 374
Tainsky, M. A., 853
Tajbakhsh, S., 199
Takada, R., 34, 165, 172
Takagaki, K., 75
Takagaki, Y., 316, 483, 489, 493, 497
Takahara, Y., 199
Takahashi, H., 364, 365
Takahashi, M., 759, 762-64, 769
Takahashi, N., 656
Takahashi, O., 558
Takahashi, R., 813
Takahashi, T., 116, 638, 642
Takai, Y., 462, 876, 877
Takaishi, K., 877
Takaku, F., 474
Takaku, Z., 524, 527
Takano, H., 400, 402
Takano, T., 364, 365
Takasaki, S., 72, 73
Takata, Y., 465
Takemura, M., 600
Takenishi, T., 273
Takeshita, M., 17
Taketani, S., 394
Takeuchi, M., 600
Takiya, S., 162
Tal, R., 517, 524, 532
Talarico, D., 472
Talbot, F., 404
Tam, J. P., 524
Tamai, I., 404, 407, 408
Tamai, K., 246
Tamaki, H., 325, 329, 336, 337
Tamanoi, F., 863, 865, 868
Tambourin, P. E., 865
Tamburrini, M., 128
Tamura, F., 360
Tamura, G., 638
Tamura, R., 225
Tamura, T., 165
Tan, G. S., 759, 761
Tan, R., 269, 304
Tan, R. K.-Z., 281
Tan, T.-H., 641
Tanaka, K., 328, 624, 645, 647, 870, 872
Tanaka, M., 167
Tanaka, S., 397, 399, 400, 532, 558
Tanaka, T., 260
Tanaka, Y., 72, 171, 172, 177, 179
Tanase, S., 872
Tandon, S., 360, 366
Tanega, K. L., 223
Tanese, N., 165-67, 169, 172, 177
Tanford, C., 655-57, 662, 670
T'Ang, A., 627, 632
Tang, J., 545
Tang, L. Z., 434, 435
Tang, M., 109, 110, 112
Tang, W. J., 42
Taniguchi, T., 768, 897
Tanimura, H., 400
Taniuchi, H., 355
Taniuchi, M., 839
Tansley, F., 843
Tanzer, L. R., 386, 387
Tao, J., 304
Tao, T., 433
Taparowsky, E., 855, 865, 868
Tapley, P., 469, 832, 836, 838, 839, 842
Tappin, M. J., 518, 519
Tardy, S., 642
Tarentino, A. L., 66, 71, 81, 87, 89
Tarkowski, A. K., 202
Tarpley, W. G., 556, 569
Tartaglia, L. A., 526
Tartakoff, A. M., 130, 134, 135, 244, 337
Tashiro, K., 55
Tatchell, K., 853, 854, 874
Tateishi, N., 73
Tatibana, M., 17
Tato, F., 844
Tatum, E. L., 3, 4
Taub, R. N., 386
Taukifimpfa, R., 266
Tavakkol, R., 871
Tavitian, A., 331, 871, 877
Taylor, B. P., 81
Taylor, C. A., 42
Taylor, E. W., 437, 443, 698
Taylor, I. C. A., 44, 182
Taylor, L. P., 353, 374
Taylor, P. B., 70
Taylor, W. R., 358, 545
Tebb, G., 233, 245, 246
Teeter, L. D., 391, 401, 402
Tegtmeyer, P., 33, 34, 36, 40, 41
Teich, N., 192
Teixidó, J., 520, 527, 528, 531, 532, 534, 535
Teleman, O., 519
Telesnitsky, A. P. W., 901
Teller, J. H., 17
Telliez, J. B., 860
Temeles, G. L., 865-67
Temin, H. M., 192, 199, 210
Temperley, S. M., 34, 38, 39
Tempst, P., 294, 296, 299, 304, 314, 350, 353, 372, 373
Ten, E. L., 112
ten Heggeler-Bordier, B., 771
Ten Houte de Lange, T., 390
Tennant, L., 304
Teo, C. H., 301, 314
Tepass, U., 518
Tepper, R. I., 208
Terada, M., 638
Terlecky, S. R., 350, 351, 363
Terwilliger, T. C., 143
Tew, K. D., 407
Thai, T., 109, 112
Thaisrivongs, S., 556, 569
Thalenfeld, B. E., 593, 595, 600, 615
Thanabal, V., 271, 273
Thanki, N., 545, 551, 553, 566, 569
Theiry, T. A., 310
Theodore, T. S., 859, 862
Theres, C., 518
Thermes, C., 278
Theurkauf, W. E., 441
Thiagalingam, S., 641, 642
Thiebaut, F., 397, 398, 410, 413
Thierry, A., 596, 615
Thierry, J. C., 275, 738
Thim, L., 67
Thissen, J. A., 863
Thliveris, A., 646
Thoenen, H., 837, 838
Thogersen, H. C., 304
Thomas, C. T., 784

Thomas, D. Y., 394-96
Thomas, G. J. Jr., 675
Thomas, J. H., 227, 523
Thomas, J. O., 239, 298, 307, 311, 351, 357
Thomas, J. R., 67, 69, 93, 122
Thomas, L. J., 130-32, 135, 330, 331
Thomas, M. L., 103, 108, 114
Thomas, O., 350, 353, 372, 373
Thomas, S. M., 461, 470, 471, 843, 844, 882
Thomas-Oates, J. E., 77, 81, 93
Thömmes, P., 247
Thompson, A. J., 597
Thompson, A. M., 638
Thompson, A. R., 192, 193
Thompson, J. A., 169
Thompson, J. F., 765, 777
Thompson, L. D., 592
Thompson, L. H., 386, 387, 415
Thompson, N. E., 162, 182, 183
Thompson, S., 195
Thompson, S. J., 840
Thompson, W. J., 545, 556, 566, 568, 574
Thomson, T. M., 839, 840
Thorgeirsson, S. S., 393, 400
Thorn, J. T., 860
Thorner, J., 394, 395, 532, 597, 599, 613, 863
Thorner, L., 34
Thorner, L. K., 781
Thorner, P. S., 397, 401
Thorpe, L. W., 840
Throwbridge, I. S., 863
Thurlow, D. L., 267
Thyberg, J., 327, 329, 336, 339
Tian, G.-L., 592, 593, 597, 599, 606
Tian, S. S., 103, 108, 110, 114
Tichelaar, W., 364
Tidor, B., 267, 922
Tien, M., 803, 804
Tiktopulo, E. I., 657, 664
Tiley, L. S., 923
Till, J. E., 408, 412
Tillery, M. K., 199
Tillier, F., 754
Tilly, B. C., 463
Tilly, K., 225, 350, 352, 364, 367, 914
Timmers, H. T., 166, 171, 175
Ting, J., 525, 533
Tinland, B., 237
TINOCO, I. JR., 255-87; 257, 258, 260-62, 266, 268, 269, 272-78, 687
Tischler, A. S., 841
Tishkoff, D. X., 245
Tjian, R., 39, 162, 165-69, 172, 177, 183, 305, 402, 860, 883
To, H., 632
Tobe, T., 763
Tobey, R. A., 47, 49
Tobin, A., 863
Tocque, B., 871
Toda, T., 854, 871, 874, 881
Todaro, G. J., 518, 520, 521, 524, 532, 535, 840
Todd, A. V., 860
Todd, R. F. III, 192, 193
Toennis, B., 7
Toffano, G., 840
Toft, D. O., 295, 350, 374
Toguchida, J., 639
Toh, H., 545
Tohdoh, N., 31
Tollervey, D., 223, 226, 306
Toloczyki, C., 907
Tolson, N. W., 841
Tolunay, H. E., 162, 170
Toma, J. G., 838
Tomasi, M., 493, 500
Tomasselli, A. G., 374, 544, 545, 554-56, 566, 567, 569
Tomaszek, T. A. Jr., 545, 548, 553-56, 566, 573
Tomich, C-S. C., 911, 915
Tomiya, N., 73
Tomizawa, J., 902
Tomlinson, A., 526
Tong, L., 867
Tonino, G. M., 226
Tonks, N. K., 102-4, 106, 108, 110, 112-15, 466
Toohey, M. G., 920
Tooze, J., 192, 328, 329, 723
Topol, J., 162, 163, 168
Topping, K. D., 655
Topping, T. B., 356, 359
Torchia, D. A., 271, 273
Tosky, M. S., 636, 643
Toth, K., 397
Toth, M. V., 545, 548, 553, 558, 561, 566, 567, 569, 570
Totty, N., 463, 870, 876
Touchette, N., 352
Touchette, N. A., 659, 666, 668, 672, 674
Touchot, N., 331, 332
Tournay, O. E., 644
Townsend, K., 197
Toyn, J., 228, 243
Toyoshima, I., 439, 445
Toyoshima, K., 522
Toyoshima, Y. Y., 432, 436, 445, 446
Trageser, M., 783, 784
Traglia, H. M., 244
Trahey, M., 864, 865, 868, 869
Tran, C. T., 54
Trapnell, B. C., 199, 202
Traquina, Z. R., 109
Trauber, D. R., 199
Traut, T. W., 733
Travers, A. A., 765, 771, 773, 895
Travis, E., 167
Travis, J. L., 432
Travis, M. A., 193
Treadway, J. L., 465
Trelstad, R. L., 336
Trent, J. D., 350, 352, 372, 390
Trent, J. M., 389, 391, 624
Trentin, J., 192, 193
Trepel, J. B., 397, 409
Trewhella, J., 656
Trezeguet, V., 735
Trezise, A. E. O., 399
Trimble, R. B., 87, 89
Trisler, P., 914
Troen, B. R., 395, 396
Tronick, S. R., 472
Trono, D., 197
Trouet, A., 330
Trowbridge, I. S., 103, 108, 114
Troy, F. A., 89
Troyer, D., 328
Trueblood, C. E., 863
Truesdail, J. H., 5
Trumbauer, M., 197
Trusikhina, E. E., 72
Trusko, S. P., 642, 643, 855, 860, 862
Trybus, K. M., 437
Tsai, A. Y., 109-11
Tsai, C.-M., 401
Tsai, H., 717, 719, 723
Tsai, L., 810, 812, 813, 816
Tsai, M.-H., 870, 877, 882
Tsai, M. J., 162, 170, 353, 374
Tsai, P.-K., 94
Tsai, S. Y., 162, 170
Tsai, Y., 402
Tsao, H., 842
Tsarfaty, I., 468
Tschochner, H., 162, 169-71, 175, 177, 179, 183
Tschopp, J., 500
Tse, A. G. C., 69
Tseng, A. Jr., 473
Tsoulfas, P., 103, 108, 110, 114, 294, 295
Tsuboi, A., 170, 172, 173
Tsubota, J., 404
Tsubota, M., 268
Tsuda, M., 162
Tsugawa, A., 901
Tsui, P., 782
Tsui, W.-C., 700, 717, 720
Tsuji, T., 73, 74
Tsukada, Y., 88
Tsukagoshi, S., 386
Tsukamoto, T., 116
Tsurimoto, T., 30, 37, 38

Tsurudome, M., 493, 495, 501, 502
Tsuruo, T., 386, 395, 397, 398, 403, 408, 410, 411, 413, 418
Tucker, G., 130, 135
Tucker, J., 866
Tucker, T. J., 572
Tuerk, C., 260, 278, 299
Tukalo, M. A., 722
Tukei, P. M., 196
Tukuoka, R., 676
Tummler, B., 397, 407, 414
Tung, J. S., 103, 108
Tuomikoski, T., 330, 331
Turck, C. W., 457, 458, 460
Turco, S. J., 93, 122
Turcotte, M., 281
Turk, V., 544, 545
Turmel, M., 592, 593, 597, 598, 605
Turnbough, C. L. Jr., 894, 895
Turner, D., 202
Turner, D. H., 260-64, 268, 277-79
Turner, G. J., 663
Turro, N., 489
Twardzik, D. R., 518, 520, 524
Tweedy, N. B., 668
Tye, B-K., 38
Tyler, B. M., 162
Tyndall, C., 37
Typke, D., 373
Tyree, C. M., 162, 169, 170
Tyson, K. L., 786
Tzagoloff, A., 593, 595, 600, 615

U

Uchida, H., 225, 360
Uchida, K., 810, 813
Uchida, T., 197, 221, 239
Uchida, Y., 88
Uchiumi, T., 400, 402
Udenfriend, S., 127, 128, 132
Udgaonkar, J. B., 659-61, 666, 673
Udseth, H. R., 84
Ueda, K., 328, 388, 390, 391, 395-402, 406, 408, 411, 414
Ueda, R., 116
Ueda, T., 395, 414
Uehara, Y., 461
Ueno, H., 456, 468, 473
Ueno, K., 94
Ugarkovic, D., 394
Uhlenbeck, O. C., 260, 262, 266, 275, 278
Uhlin, B. E., 779
Ulivi, M., 870
Ullmann, A., 750, 752, 754, 760
Ullmer, M., 519
Ullrich, A., 455, 456, 459, 463-65, 468, 519, 532, 824, 834, 838
Ulsh, L., 862
Ulug, E. T., 467
Umek, R. M., 30, 35, 50, 54
Umemoto, J., 72
Umesono, K., 590, 591, 594, 600, 611
Unden, G., 753, 783, 784
Underwood, M. R., 233, 235
Ungers, G. E., 197, 922
Ungewickell, E., 361
Uno, I., 854, 871, 881
Unwin, P. N. T., 221, 223, 229, 498
Urakaze, M., 130, 132, 135
Urban, J., 566
Urdea, M., 519, 532, 838
Urrutia, R., 433, 440
Ursic, D., 372
Usheva, A., 183
Ushida, C., 767, 770
Ushiro, H., 102
Usman, N., 272, 275, 736, 741, 742
Usov, A. I., 94
Ustav, E., 32, 34, 39, 40
Ustav, M., 32, 34, 39, 40
Usuda, Y., 169, 171
Usui, N., 397, 418
Utiyama, H., 656
Utsunomiya, J., 646
Uversky, V. N., 662, 665, 666, 672

V

Vaaler, G. L., 24
Vacca, J. P., 545, 556, 574
Vaidyanathan, L., 522
Vaisberg, E. A., 433
Vaisberg, Y. A., 433, 438
Vale, R. D., 339, 432-34, 436-38, 440, 441, 443, 445, 446
Valencia, A., 854
Valentin-Hansen, P., 767, 779, 780, 782, 783
Valentin-Hansen, P. K., 780, 782
Valentine, M. B., 874
Valentini, O., 298
Valerio, D., 192, 207
Valinski, J., 47
Valius, M., 457, 460, 880
Valle, D., 394
Vallee, R. B., 432, 433, 443-46
Vallen, E. A., 227, 228
Valverde, M. A., 399, 405, 413, 417, 418
Van Ardsel, J., 517, 524, 532, 536
Van Atta, R. B., 610
van Batenburg, E., 278, 279
van Blitterswijk, W. J., 502
van Boom, J. H., 258, 275
Van Cauwelaert, F., 495
Van Ceunebroeck, J. C., 495
van Corven, E. J., 502
Vancura, K. L., 863
van Dam, H., 54
Vandana, 94
van Deemter, L., 399
van den Berg, M., 278, 279
van den Brand, M., 196
van den Elst, H., 275
van der Aart, Q. J. M., 297
Van der Bend, R. L., 502
Van der Bliek, A. M., 388, 390, 391, 393
van der Eb, A. J., 197, 880
Van der Greer, P., 468
van der Hoeven, J. J., 397
van der Horst, G., 590, 593, 595, 596, 598
Van der Kemp, A., 306
van der Marel, G. A., 275
Vanderslice, P., 24
van der Sluijs, P., 331
van der Veen, R., 590
Van der Velde-Koerts, T., 390
van der Vies, S. M., 350, 352, 364, 366, 378
van der Vliet, P. C., 39, 41
Van der Woude, M. W., 779
van de Sande, J. H., 258
Vande Wetering, M. L., 880
Vande Woude, G. F., 468, 853
VanDrie, J., 545, 548, 553, 561, 573, 574, 576
VanDrie, J. H., 576
VanDyk, T. K., 352, 365
Van Dyke, M. W., 168, 169, 178, 180
van Dyke, T., 630
Van Eekelen, C. A. G., 290
Van Etten, R. L., 110
van Halbeek, H., 66, 71, 72, 75, 93
van Houten, J. V., 35
van Kuik, J. A., 94
Van Lap, D., 804
van Meer, G., 339
VanMiddleworth, J. F., 545, 548, 553, 572, 573
Van Ness, K., 517, 525, 532
Van Obberghen, E., 463, 842
van Oers, C., 869
Vanoni, M., 462, 875
van Osdol, W. W., 655
van Pelt, J., 73
van Poelje, P. D., 21, 23, 24
van Santen, V. L., 301

Van Vactor, D. L. Jr., 517, 526, 527, 529
van Venrooij, W. J., 290, 300, 301, 306
van Zanten, B. A. M., 500
van Zee, K., 227, 228
Varani, G., 266, 269, 272-75, 277
Varki, A., 73, 89, 92-94
Varley, J. M., 632
Varmus, H. E., 101, 192, 329
Varshavsky, A., 107, 389, 394
Vasak, M., 275
Vasavada, H. A., 172
Vass, W. C., 853, 854, 864, 865, 868, 870, 872, 873, 875, 878
Vasserot, A., 601
Vassilev, L. T., 30, 45, 47-49, 52, 54, 55
Vassin, H., 518
Vaughan, M. M., 397
Vaughan, R., 489
Vaughn, J. P., 45, 46, 52
Vazquez, M. E., 838
Vazquez-Nin, G. H., 306
Veals, S. A., 116
Veenstra, D. L., 510
Vega, Q. C., 463
Vega-Palas, M., 784
Veh, R. W., 93
Veillette, A., 878
Velazquez, L., 116
Veldman, G. M., 38
Velu, T. J., 865, 875
Venkatakrishnan, G., 833
Venyaminov, S. Y., 657, 664
Vera, J. C., 395
Verde, F., 443
Verheijen, R., 306
Verlaan, I., 463
Verma, I. M., 192, 193, 199, 882
Vermeil, C., 800
Vermeulen, C. N., 226
Verrelle, P., 401
Verrijzer, C. P., 39, 41, 50
Verrotti, A. C., 875
Versluis, C., 86
Vestweber, D., 350, 351, 362
Vetter, M. L., 470, 842
Vettese, M. B., 81
Vidali, G., 290, 297, 298
Vidal-Ingigliardi, D., 772, 776, 777
Vierny, C., 608
Vigers, G. P. A., 334, 338, 433, 436
Vignais, M. L., 462, 874
Viitanen, P., 350, 352, 366
Viitanen, P. V., 352, 364-67, 371
Vijayraghavan, U., 244
Vilaro, S., 339
Vilasi, V., 855
Vilcek, J., 525, 526
Villafranca, J. E., 139, 140
Villanueva, G., 660
Villar, E., 88
Villar, M. J., 839
Villarreal, L. P., 37, 42, 521
Villasante, A., 862
Vimr, E. R., 89
Vincent, L. A., 842, 882
Viola, M., 461, 470, 843
Virmani, R., 196
Viron, A., 306
Vishwanatha, J. K., 52
Viskochil, D., 645, 865, 872, 873
Vissers, M. C. M., 813
Vitelli, A., 881
Vlak, J., 226
Vlassov, V. V., 266
Vliegenthart, J. F. G., 66, 73, 75, 77, 79, 93, 94
Voelker, R. A., 297
Voellmy, R., 363
Vogel, H. J., 75
Vogel, J. P., 227, 228, 243, 350, 351, 362
Vogel, U. S., 869, 870, 878, 879
Vogelstein, B., 630, 636, 638, 641-43, 646, 647
Vogt, P. K., 629, 630, 632
Vogt, V. M., 596, 597, 602, 615
Vogt, W., 202
Vojtek, A., 881
Volker, C., 863
Volker, K., 397, 418
Volker, S., 373
Volkman, B. F., 510
Volm, M., 401
Volpi, M., 324
von Ahsen, U., 605, 611
Von Bartheld, C. S., 839
Von Besser, H., 297
von der Helm, K., 544, 545
von Hippel, P. H., 686, 688, 689, 691, 695, 706, 707, 710, 763, 893, 896, 897, 899, 900, 905
Von Hoff, D. D., 391, 397
von Nicolai, H., 66
von Ruden, T., 200
Vooijs, P., 306
Voos, W., 362
Vorbeck, M. L., 329, 340
Vorbruggen, H., 272
Vorherr, T., 504, 505
Vorsatz, F., 88
Voss, R., 646
Vousden, K. H., 632, 638
Vroegop, S., 825, 826, 835
Vuister, G. W., 79

W

Wabl, M., 350, 351, 362
Wacker, D. A., 507
Wada, H., 18
Wada, K., 170
Wade, P. A., 162
Wadsworth, P., 432
Waegemann, K., 351
Wagenaar, E., 399
Wagh, P. V., 94
Wagner, B. J., 841
Wagner, D. D., 434, 438
Wagner, E., 197, 198
Wagner, F., 883
Wagner, G., 271, 273, 275
Wagner, H. N. Jr., 508
Wagner, J. A., 843
Wagner, M. C., 433, 434, 440
Wagner, P., 220, 221, 232, 238
Wahl, G. M., 49, 391
Wahl, M. I., 467
Wahle, E., 292, 316
Wahleithner, J. A., 600
Wahli, W., 771
Wai, J. M., 572
Waisman, H. A., 5
Waizenegger, I., 228, 231
Wajsman, R., 192, 193
Wake, N., 624
Waksman, G., 458
Walker, B. W., 290, 293, 294, 297, 298
Walker, G. C., 378
Walker, J. C., 297
Walker, J. E., 393
Walker, R., 36
WALKER, R. A., 429-51; 432, 435, 440, 445
Walker, S. S., 35, 38, 43
Wall, D. A., 834
Wall, J. S., 350, 352, 353, 372, 373, 443, 444
Wall, M. E., 411, 416
Wallace, J. C., 788
Wallace, M. R., 645, 871
Wallach, D., 531, 535, 537
Wallbridge, S., 209
Wallenfels, K., 88
Waller, J.-P., 734
Wallner, J., 401
Walsh, B. J., 463
Walsh, C. T., 353, 375
Walsh, K. A., 102, 103, 108, 110, 112, 114
Walter, A. E., 278
Walter, M. V., 860, 865
Walter, P., 351, 362, 507, 716, 740, 743
Walter, R. J., 330, 331
Walter, W. A., 364, 896

Walton, D., 627, 628
Walton, G. M., 463
WALTON, K. M., 101-20
Wampler, S. L., 162, 169, 170, 172, 177
Wamsley, P., 882
Wand, A. J., 271, 273, 656
Wands, J., 638
Wang, A. H.-J., 258
Wang, A. M., 517, 524, 532, 536
Wang, A.-M., 596, 597
Wang, B. Q., 172
Wang, C. K., 165, 166
Wang, C. Y., 197
Wang, E. H., 33, 40
Wang, H., 609, 614
Wang, J., 165, 166, 170, 172, 690, 709, 881
Wang, J. C., 261
Wang, J.-F., 267
Wang, N. J., 638
Wang, P., 350, 352, 364, 365
Wang, T. S.-F., 30, 52, 686, 688
Wang, W., 181
Wang, X-C., 545, 548, 553, 561, 573, 574, 576
Wang, X.-D., 267
Wang, Y., 109, 112, 636, 870
Wangh, L. J., 55, 57
Wani, M. C., 411, 416
Wanner, B. L., 754
Ward, D. C., 37
Ward, D. E., 914, 915
Ward, D. F., 906, 914
Ward, G. E., 334
Ward, M., 396, 418
Ward, N. E., 409
Ward, W. H. J., 740
Wardwell, J., 914
Ware, D. E., 170, 172, 177
Ware, V. C., 222
Waring, R. B., 258, 598
Waris, A. S., 43
Warne, P. H., 461, 878, 879
Warner, F. D., 437
Warner, J. F., 197
Warr, J. R., 412
Warrant, R. W., 275-77
Warren, B. S., 882
Warren, C. D., 132, 135
Warren, F., 911
WARREN, G., 323-48; 324-34, 336-40, 342
Warren, L., 93
Warren, M. K., 517, 524, 532, 536
Warren, M. S., 139, 140
Warren, R., 197
Warrilow, D., 860
Warshawsky, I., 103, 104
Wartell, R., 759
Wartell, R. M., 759, 761, 764
Wartna, E. S., 500
Warwicker, J., 765
Washburn, W., 489
Wasley, A., 394
Wassarman, P. M., 32, 49, 56
Wasylyk, B., 42, 43, 853, 883
Wasylyk, C., 42, 43, 853, 883
Watanabe, T., 20, 532
Waterfield, M. D., 463, 468, 469, 517, 518, 524
Waterman, M. S., 258
Waters, M. G., 350, 351, 359, 361
Watson, C. J., 38, 39
Watson, F. E., 572
Watson, J. D., 256
Watson, L., 826-28, 840
Watson, S. J., 103, 112, 115, 350, 374
Watson, T., 882
Watt, D. S., 488, 494, 508
Watt, F., 860
Watt, K., 870
Watt, P., 464
Watt, V. M., 464, 474
Wattenburg, B. W., 332
Way, J., 228, 237, 242, 243, 361
Wayne, D. B., 839
Weaver, A. J., 264
Weaver, D. L., 671, 679
Weaver, J. L., 413, 416
Weaver, L. H., 139, 140
Webb, C. G., 636
Webb, J. W., 81, 304
Webb, M. R., 867
Webb, N. R., 520, 535
Weber, I. T., 545, 554, 754, 761, 762
Weber, K., 327
Weber, L. D., 265
Weber, M. J., 870, 882
Weber, P. C., 199
Weber, R. F., 526
Weber, S., 197
Webster, C., 768
Webster, N. J. G., 465
Webster, P., 331
Webster, R. G., 350, 351, 362
Webster, T., 717, 719, 723
Webster, T. A., 719, 723
Wedaman, K. P., 433, 440
Weddell, G. N., 127
Wedel, A., 912
Weeks, B. M., 808
Weeks, J. R., 182
Weeks, K. M., 304, 922
Weeks, M. O., 855, 862
Wei, W., 876
Weichbraun, I., 36, 42
Weickert, M. J., 782
Weidman, P. J., 338
Weidong, W., 36, 41, 42
Weiel, J. E., 115
Weil, P. A., 162, 165, 166, 169, 170
Weinberg, R. A., 461, 627, 633, 640, 865, 868, 876, 880
Weiner, A. M., 256
Weiner, S. J., 280
Weinert, T., 640
Weingarten, G. G., 578
Weininger, D., 576
Weinmann, R., 162, 174, 180, 183, 184
Weinstein, B. I., 882
Weinstein, R. S., 389, 395, 397, 401
Weinstock, G. M., 779, 780
Weinthal, J., 192, 193
Weir, J. P., 105
Weis, L., 162, 167, 170, 172, 177
Weisberg, R. A., 918, 919
Weisenberg, R. C., 443
Weisman, L. S., 342, 343
Weismuller, K.-H., 842, 843
Weiss, D. S., 912
Weiss, H., 364
Weiss, J. B. Jr., 350, 359, 800
Weiss, R. A., 192, 275, 645, 738, 872
Weiss, S., 733
Weissbach, H., 351
Weiss-Brummer, B., 595
Weissman, B., 867
Weissman, I., 375
Weissman, J. S., 667, 674, 675
Weissman, S. M., 171, 172, 177, 179, 830
Weitzel, S. E., 689, 691, 706, 707, 710
Welch, W. J., 228, 350-52, 358, 360, 363, 374-76
Welcher, A. A., 829, 833
Welham, M. J., 468
Wells, T. N. C., 716, 728, 731, 732
Wells, W. W., 79
Welply, J. K., 85
Welsh, J. A., 638
Welsh, J. B., 463
Wember, M., 93
Wemmer, D. E., 274, 510
Wen, D., 463, 517, 518, 522, 523
Wente, S. R., 231
Wenzlau, J. M., 593, 595, 597, 602, 613
Werel, W., 896, 899
Werner, S., 472, 598
Werner-Washburne, M., 350, 351, 359
Werness, B. A., 631, 632, 643

Wernette, C., 596, 615
Wernette, C. M., 593, 596, 597
Wernstadt, C., 457
Werr, H., 290, 294, 297, 298
Werrbach-Perez, K., 841
Werz, G., 328
Weskamp, G., 827, 834, 840
Wesler, F., 594
Wessler, S. R., 611
West, C., 192, 193
West, D. C., 518
West, J., 104
Westerfield, M., 53
Westermark, B., 466, 467
Westheimer, F. H., 483, 489
Westhof, E., 259, 266, 276, 277, 280, 281, 588, 590, 592, 593
Westin, G., 36
Westler, W. M., 271, 275
Westmoreland, D. G., 655, 656
Weston, K., 518
Wetlaufer, D. B., 671
Wettergren, Y., 391
Wetts, R., 843
Weygand-Durasevic, I., 740
Whalen, W., 910-12, 914, 916, 919
Whaley, W. G., 327
Whalley, K., 393
Whang-Peng, J., 389, 391, 632
Wharton, K. A., 518
Wheaton, V., 258
Wheeler, E. F., 839, 840
Whitaker, J., 413
White, B. H., 495, 496
White, C. F., 489, 504, 799
White, F. H., 355
White, J. H., 183, 487
White, J. M., 500
White, K., 297
White, M. F., 464-66
White, R. J., 166
White, S. A., 266, 269, 275
White, S. W., 301
White, T. B., 667
Whitelaw, M. L., 374
Whitesides, G. M., 272, 273
Whiteway, M., 394-96
Whitfield, J. F., 878
Whitfield, K. M., 350, 351, 362
Whitman, M., 473
Whittaker, J., 519
Whittemore, S. R., 838
Whittier, R., 600
Whoriskey, J., 299, 316
Whyte, P., 630, 631, 635
Whytock, S., 222
Wiberg, F. C., 67
Wickner, R. B., 233
Wickner, S. H., 350, 351, 361
Wickner, W., 342, 343, 350, 359
Wickner, W. T., 342
Wicks, I. P., 474
Wideburg, N. E., 574
Widen, S. G., 883
Wider, G., 271, 275, 657
Widmer, M. B., 468
Wiech, H., 353, 359, 375
Wiedmann, M., 507
Wiekowski, M., 43
Wieland, C., 297
Wieland, F., 94
Wienhues, U., 359
Wieruszeski, J. M., 75
Wiggins, G. W., 817
Wiggins, R. C., 817
Wiginton, D. A., 207
Wigler, M., 853, 855, 864, 865, 870, 881, 882
Wignall, J. M., 525, 536
Wikström, A.-C., 374
Wilcox, C. A., 338
Wilcox, G., 778
Wilcox, J. N., 521
Wild, J., 350, 351, 360, 361
Wilden, P. A., 465, 466
Wilderspin, A., 546
Wildman, R. B., 10
Wiley, D. C., 500
Wiley, H. S., 463
Wiley, S. R., 165, 168, 169
Wilgus, G. S., 910
Wilk, H. E., 290, 294, 297, 298, 310
Wilke, M., 397
Wilkes, B. C., 489, 504
Wilkinson, A. J., 518, 519, 716, 719, 728, 730, 731
Wilkinson, D., 474
Wilkinson, G. W. G., 199
Wilkinson, L. E., 308
Wilks, A. F., 472
Willaert, K., 660
Williams, A. F., 69, 93, 103, 108, 122, 135
Williams, C., 399, 410
Williams, D. A., 193, 517, 525
Williams, D. B., 351, 362
Williams, D. C., 272
Williams, D. E., 193, 468, 517, 525, 529, 532
Williams, E. H., 196
Williams, J. S., 50, 631, 727, 728, 734
Williams, K. R., 294, 295, 298, 300, 301, 303, 305, 310, 314
Williams, L. K., 842
WILLIAMS, L. T., 453-81; 456-60, 467, 468, 471-73, 879
Williams, M. A., 280
Williams, P., 197
Williams, R. D., 519, 772, 773, 775, 780, 786
Williams, R. J., 4, 5, 7-9
Williams, S. R., 127, 207
Williams, W. L., 12
Williamson, D. H., 223
Williamson, J. R., 269, 272, 304
Williamson, M., 270
Williamson, N. M., 630, 631, 635
Willingham, M. C., 221, 228, 387, 390, 395, 397-401, 403, 404, 406, 410, 411, 413, 414, 418, 862
Willis, A. C., 108
Willison, J. H. M., 223
Willison, K., 350, 353, 372, 373
Willson, R. L., 810
WILLUMSEN, B. M., 851-91; 862, 864, 865, 867-70, 875, 877
Willy, P. J., 433, 440
Wilson, A. A., 508
Wilson, C. M., 394, 615
Wilson, D. W., 338
Wilson, E. B., 340, 341
Wilson, E. M., 16
Wilson, I. A., 500, 675
Wilson, J. M., 192, 193, 197, 198, 210
Wilson, K. L., 55, 140, 142, 334, 337, 338, 867
Wilson, S., 71
Wilson, S. H., 294, 295, 297, 298, 300, 301, 303, 305, 310, 690, 883
Wilusz, J., 299, 316
Wimberly, B., 266, 269, 273
Winchell, L. F., 527, 528, 531
Winchester, R. V., 810
Wing, D. R., 94
Wingfield, P. T., 271, 273
Winker, S., 277
Winkler, D. G., 113
Winkler, M. E., 271, 275, 517, 519, 520, 532, 535
Winnacker, E.-L., 39, 42
Winship, P. R., 519
Winslow, J. W., 469, 835, 836
Winsor, B., 165
Winston, F., 165, 167
Winter, G., 716, 717, 719, 726, 728, 731, 740
Winter, G. P., 717
Winterbourne, C. C., 813
Winters, T. R., 471, 843
Wintersberger, E., 36, 42
Wirak, D. O., 56
Wirth, D. F., 394
Wirtz, K. W. A., 493, 497
Wiscount, C. M., 556, 574

Wisnieski, B. J., 500
Wissinger, B., 591, 600
Witherell, G. W., 275
Witte, O. N., 877
Wittekind, M., 301, 302, 314
Wittenberger, M. E., 804, 810, 812, 816, 817
Wittinghofer, A., 854, 865-67, 870
Wittle, E. L., 12
Wittman, V. P., 524
Witzel, R., 71
Witztum, J. W., 817
WLODAWER, A., 543-85; 544-49, 554, 555, 559, 572, 573, 835
Wobbe, C. R., 165
Wodinsky, I., 386, 387
Woerpel, D. N., 434
Woese, C. R., 258, 259, 277
Wolanski, B. S., 865-67
Wolczyk, D. F., 597, 599, 613
Wold, B., 197, 294, 295, 297, 305, 307
Wolda, S. L., 334
Woldringh, C. L., 233, 235
Wolf, D., 640
Wolf, K., 594, 607
Wolf, W. H., 105
Wolfe, H. R. Jr., 489, 503, 504
Wolfe, J. H., 192, 193
Wolfenden, R., 732
Wolff, B., 221
Wolff, J. A., 197
Wolff, S. P., 810
Wolfman, A., 872, 873, 876
Wolford, R., 855
Wolk, S. K., 268
Wolkoff, A. W., 446
Wollin, R., 94
Wollman, H., 325, 329, 336, 337, 340, 341
Wolniak, S. M., 325, 326, 333, 336, 339
Wolska, K., 914
Wolstenholme, D. R., 600
Wong, G., 461, 467, 869, 879, 880
Wong, H., 843
Wong, I., 686, 689, 690, 692, 696, 700, 701, 703, 705, 706
Wong, J. K., 182
Wong, S. T., 520, 527, 528, 531, 534, 535
Wong, S. W., 34, 37
Wong-Staal, F., 197, 920
Woo, N. H., 275
Woo, S. L. C., 193
Wood, D., 645, 872
Wood, H. G., 3
Wood, K. W., 461, 470, 471, 843, 882
Wood, M., 193
Wood, S., 367, 368
Wood, S. P., 464
Wood, W. A., 10
Woodford, T. A., 110, 114-16
Woodgett, J. R., 883
Wooding, F. B., 326, 336
Woodman, P., 330, 331
Woodman, P. G., 331, 332
Woodruff, T., 300
Woodson, S. A., 605
Woodward, C., 559
Woodward, W. R., 506
Woody, R. W., 660
Wooley, J., 290, 298, 308, 310
Woolford, C., 350, 352, 364, 367
Woolford, J. L. Jr., 243
Woolfson, D. N., 655
Woolley, D. W., 5
Woontner, M., 162
Wooten, E. W., 75
Wordeman, L. G., 434, 443, 446
Workman, J. L., 42, 44
WORMALD, M. R., 65-100; 75, 77, 78, 91
Wormald, P. C., 72
Worman, H. J., 223, 334
Wormsted, M. A., 517, 519, 532
Worst, P., 623
Wortz, M., 364
Woychik, N., 162, 183
Woychik, N. A., 162
Wozniak, J., 139, 140
Wozniak, J. A., 140, 142, 143, 145-48
Wozniak, R. W., 221
Wright, A. P. H., 247, 907, 908
Wright, B. D., 433, 440
Wright, D. J., 76, 199
Wright, H. T., 275
Wright, L. C., 395, 414
Wright, P. E., 271, 304, 355, 665, 675
Wright, W. E., 641
Wroblewska, J., 202
Wu, C. A., 688, 765
Wu, C. H., 192, 197, 198
Wu, C. T., 394
Wu, C.-W., 266
Wu, F., 922
Wu, G. Y., 192, 197, 198
Wu, H. M., 764
Wu, J., 45, 48, 49, 183, 437, 445, 860
Wu, K., 518
Wu, L., 876
Wu, L-C. C., 224
Wu, T., 843
Wu, Y., 779
Wu, Z. G., 290, 306, 311
Wuestehube, L. J., 323
Wulff, D. L., 917
Wunder, J. S., 397
Wüthrich, K., 268, 270-72, 274, 275, 518, 657
Wyatt, J. R., 266, 269
Wyatt, S., 840
Wypych, J., 532, 533
Wysokenski, D. A., 38, 43

X

Xiang, R. H., 638
Xiao, X., 199, 212
Xin, J. H., 883
Xing, Y., 223, 635
Xiong, X.-F., 781
Xiong, Y., 601, 606, 609, 613
Xu, C., 507
Xu, G. F., 645, 872, 873
Xu, H.-P., 870, 872, 881
Xu, L., 193, 199, 209
Xu, M.-Q., 588, 592-94, 597, 599, 611, 612
Xu, T., 518
Xu, W., 873
Xue, Z., 226, 240, 297
Xuong, N. G., 690, 691, 704
Xuong, N.-H., 112, 816

Y

Yaeger, P. C., 32, 37, 47
Yaffe, M. B., 350, 353, 372, 373
Yaffe, M. P., 220, 225, 342, 350, 361
Yager, T. D., 893, 897, 899, 900
Yahara, I., 353, 374
Yalovsky, S., 351
Yamada, A., 114
Yamada, H., 624
Yamada, M., 780
Yamada, T., 89
Yamagiwa, S., 209
Yamaguchi, M., 38, 40, 52
Yamaguchi, T., 639
Yamaguchi, Y., 527
Yamaguchi-Iwai, Y., 36, 37, 41, 43
Yamaizumi, M., 221
Yamaizumi, Z., 867
Yamakawa, T., 94
Yamamoto, E., 598
Yamamoto, F., 860
Yamamoto, K., 673
Yamamoto, M., 324, 870, 875
Yamamoto, O., 811
Yamamoto, T., 165, 166, 168, 170, 171, 176, 360, 522, 877
Yamamoto, V. R., 247

Yamana, K., 55
Yamanegi, M., 122
Yamano, H., 760
Yamano, Y., 397, 400
Yamao, F., 717
Yamasaki, L., 239
Yamashina, I., 89, 94
Yamashina, S., 325, 329, 336, 337
Yamashiro, C. T., 597, 599, 613
Yamashita, K., 73, 88, 89
Yamashita, S., 170
Yamashita, T., 842, 882
Yamato, K., 600
Yamawaki-Kataoka, Y., 881
Yamaya, H., 659, 660
Yan, H., 829, 833
Yan, Q., 838, 839
Yanagida, M., 434, 435, 440, 442
Yanai, N., 524, 527
Yandell, D. W., 627, 628, 632
Yang, C. C., 863
Yang, C. H., 226, 227, 407
Yang, C.-P. H., 395, 398
Yang, D. C. H., 738
Yang, J. T., 433, 438, 439
Yang, L., 32, 34, 38, 39, 162, 170
Yang, Q., 104
Yang, S. H., 123, 132
Yang, S. K., 262
Yang, X., 103, 108, 110, 114, 221
Yang, X. J., 901, 910, 911, 914, 917
Yang, Y., 39
Yang, Z. Y., 199, 209
Yang-Feng, T., 525, 642
Yaniv, M., 42, 735, 742
Yankner, B. A., 837
Yano, R., 782
Yanofsky, C., 893-95, 899, 901, 904, 908
Yao, C. H., 32
Yao, K-M., 297
Yao, M. C., 32
Yao, S.-N., 192, 193
Yarbrough, L., 437, 445
Yarchoan, R., 544, 690
Yarden, Y., 456, 463, 525
Yaremchuk, A. D., 722
Yarnell, W. S., 910, 911
Yarus, M., 739
Yasuda, H., 31
Yasukochi, Y., 171, 172, 177, 179
Yasunaga, T., 545
Yatani, A., 462, 871
Yates, J., 35
Yates, J. L., 38, 43
Yee, C. L., 635
Yee, J.-K., 193, 627
Yeh, E. T. H., 129, 132, 135
Yeh, R., 94
Yem, A. W., 374
Yen, T. J., 435, 442, 447
Yew, P. R., 630, 631, 642
Yewdell, J., 641
Yi, T., 114, 116
Yim, M. B., 801, 804-6, 808, 811
Yin, F. H., 545
Ying, Y.-S., 135, 330
Yip, M. L. R., 226
Yoas, K., 641
Yochem, J., 360, 518
Yoda, K-Y., 31
Yokota, J., 624, 632
Yokota, S., 394
Yokoyama, S., 866
Yoneda, Y., 221, 234, 239
Yoneyama, K., 199, 202
Yoneyama, M., 660, 663, 670, 671
Yonezawa, K., 466
Yonish-Rouach, E., 630, 642
Yoo, B. Y., 342
Yoo, O. J., 902
Yoon, H. S., 902
Yorifuji, H., 433, 434
York, J. D., 103, 104
Yoshida, M., 368, 370
Yoshida, N., 93, 123
Yoshida, O., 397, 401
Yoshida, T., 446
Yoshida, Y., 863, 877
Yoshikawa, M., 273
Yoshima, H., 88, 89
Yoshimura, A., 391, 407
Yoshimura, K., 193, 199, 202
Yoshimura, T., 408
Yoshinaka, Y., 545
You, Z., 36
Young, H. A., 855
Young, M. C., 686, 688, 689, 695, 710
Young, M. J. T., 486, 487
Young, M. W., 518
Young, R. A., 162, 167, 182, 183
Yu, C., 411, 416
Yu, C.-L., 870, 877, 882
Yu, F., 89
Yu, G., 409
Yu, H., 439, 445, 690
Yu, J., 192, 193
Yu, M.-H., 675
Yu, M. W., 841
Yu, S. F., 200
Yu, X-M., 768
Yu, Y. T., 40
Yuan, J., 334
Yuan, L. C., 115, 351, 362
Yuan, X., 597
Yuasa, Y., 865
Yumoto, N., 369
Yunis, J. J., 626
Yura, T., 350, 351, 360, 782

Z

Zabetakis, D., 226, 241
Zachariades, N., 526, 528, 529, 531, 532
Zachau, H. G., 733
Zahler, A. M., 297
Zahn, R., 352, 366, 367, 371, 881
Zahraoui, A., 331, 332
Zakin, M. M., 294, 296
Zakut, R., 636
Zalenskaya, K., 896
Zalman, L. S., 500
Zama, Y., 506
Zambetti, G. P., 638, 641-43
Zambryski, P. C., 616
Zamecnik, P. C., 733
Zamitz, M. L., 88
Zamora, J. M., 416
Zamore, P. D., 306, 316
Zander, N. F., 103
Zandomeni, R., 180
Zanke, B., 115
Zannis-Hadjopoulos, M., 54, 56
Zapp, M. L., 222, 243, 920, 922
Zarlengo, M. H., 655, 656
Zasloff, M., 222
Zatsepina, O. V., 326, 327, 336
Zaug, A. J., 256, 611, 716
Zawel, L., 162, 174, 175, 184, 920, 923
Zaychikov, E., 897, 899
Zechner, E. L., 688
Zeeh, A., 615
Zeheb, R., 397
Zehring, W. A., 182
Zeligs, J. D., 325, 329, 336, 337, 340, 341
Zelwer, C., 716, 718, 719, 723, 726, 727, 734, 735, 738
Zemlin, F., 498
Zengel, J. M., 904
Zenke, M., 197, 198
Zentella, A., 526
Zerial, M., 331
Zerler, B., 630, 631
Zerovnik, E., 662, 671, 672
Zhan, X. I., 471
Zhang, A., 590
Zhang, B., 464, 465, 466
Zhang, J., 183, 184, 411, 417
Zhang, J.-T., 391, 397
Zhang, J.-X., 659
Zhang, K., 517, 518, 523, 854, 867, 868, 870, 872, 873, 876, 878, 879
Zhang, L., 771

Zhang, P., 434, 435, 441
Zhang, X., 756, 757, 764, 773
Zhang, X. F., 842
Zhang, X-J., 140, 142, 143
Zhang, X. P., 756, 764, 772, 781, 784
Zhao, L., 221
Zhao, Y., 244
Zheng, B., 409
Zheng, D., 350, 353, 372, 373
Zheng, J. H., 112
Zhi, W., 375
Zhou, H., 170
Zhou, Q., 165-67, 169, 171
Zhou, Y., 759, 769, 773
Zhou, Y. H., 772, 774, 781
Zhu, H., 641, 642
Zhu, J., 32, 41
Zhu, X., 199, 212, 356, 675
Zhurkin, V. B., 763, 765
Ziegelhoffer, E., 361
Ziegelhoffer, T., 359, 367, 371
Ziemiecki, A., 115
Zier, K., 208
Zieve, G. W., 290
Ziff, E. B., 882
Zigler, J. S. Jr., 817
Zigmond, R. E., 470
Zilberstein, A., 459, 463, 468
Zimmer, M., 594, 607
Zimmermann, A., 784, 839
Zimmermann, J., 359
Zimmermann, K., 197
Zimmermann, M., 71
Zimmermann, R., 353, 359, 375
Zimniak, L., 256, 611, 716
Zinbo, M., 79, 94
Zinkel, S. S., 764, 765, 771, 772
Zinn, A. R., 602
Zinn, K., 103, 108, 110, 114
Zippel, R., 462, 875, 876
Zipursky, S. L., 517, 526-30
Zmudzka, B. Z., 294, 295
Zokas, L., 104
Zoller, M., 728
Zollinger, L., 532
Zon, G., 275
Zorbas, H., 39, 42
Zorn, G. A., 343
Zou, C., 774
Zou, Z., 639
Zounes, M. A., 854
Zsebo, K. M., 517, 525, 528
Zs-Nagy, I., 805
Zubay, G., 752, 753, 756
Zuber, M., 901, 911, 915, 916
Zuckerman, K. S., 372
Zugliani, C., 494-96, 501, 507
Zuiderweg, E. R. P., 271, 273
Zuker, M., 263, 278, 279
Zupan, A. A., 830, 840
Zurcher, N. H., 374
Zweig, M., 364, 365
Zwieb, C., 765
Zwiebel, J. A., 193, 196
Zydowsky, L. D., 375
Zylicz, M., 225, 243, 350, 351, 357, 358, 360-62
Zyskind, J. W., 31

SUBJECT INDEX

A

A1 protein
  hnRNP complexes and, 292-94
  nucleocytoplasmic transport and, 243
A431 cells
  membrane partitioning during cell division and, 330-31
A875 melanoma cells
  neurotrophin receptors and, 826-27
A-74704
  crystal structure of, 548, 553, 574-75, 578
  HIV-1 protease and, 558, 562-65, 573-74
  torsion angle of, 550, 571
A-77003
  crystal structure of, 551
  HIV-1 protease and, 552, 558, 561
  torsion angle of, 550, 571
ABC proteins
  multidrug resistance and, 393-95, 411-12
Abelson proto-oncogene
  protein tyrosine phosphatases and, 110, 114
ABF1 transcription factor
  activation of eukaryotic origins of replication and, 34, 38, 43-44, 50
A/B proteins
  mRNA biogenesis and, 294-95
ACBP protein
  activation of eukaryotic origins of replication and, 34
Ace2 protein
  nuclear protein uptake regulation and, 246
Acetate
  active, 12
  history of, 4-5
  pantothenate and, 18
Acetate-replacing factor
  history of, 4
Acetic acid
  oligosaccharides and, 80
Acetolysis
  oligosaccharides and, 74
Acetylcholine
  HIV-1 protease and, 550, 555, 564
  photochemical labeling and, 490, 495-96
Acetylcholinesterase
  glycosyl phosphatidylinositol anchors and, 122-25, 127- 28, 132, 134
Acetyl esters
  chemical ionization and, 80
N-Acetylgalactosamine
  glycosyl phosphatidylinositol anchors and, 124-25
α-*N*-Acetyl-D- galactosaminidase
  oligosaccharide structural analysis and, 88
N-Acetylglucosamine
  mammalian glycoproteins and, 67, 70
  nucleocytoplasmic transport and, 228
N^4-(*N*-Acetyl-β-glucosaminyl)asparagine aminidase
  protein glycosylation and, 69, 71
N-Acetylhexosamine (HexNAc)
  fast atom bombardment and, 81
β-*N*-Acetyl-D- hexosaminidase
  oligosaccharide structural analysis and, 88, 92
N-Acetyl-leucyl-leucyl-norleucinal (ALLN)
  P-glycoprotein and, 387, 416
Acetylpepstatin
  crystal structure of, 548, 553
  HIV-1 protease and, 552, 557, 562-65, 572-73
  torsion angle of, 550, 571
Acid box domain
  receptor tyrosine kinases and, 455, 472
Acid hydrolysis
  pyruvoyl enzymes and, 21
Acid phosphatases
  phosphohistidine intermediate and, 110
Acid-unfolded proteins
  pathways of protein folding and, 656-57
Acquired immunodeficiency syndrome (AIDS)
  HIV-1 protease and, 544-581
  HIV reverse transcriptase and, 709-10
  human gene therapy and, 194-97, 206
Actin
  HIV-1 protease and, 554
  molecular chaperones and, 358, 373
Actinobacillus pleuropneumoniae
  CRP/FNR family and, 784
Actinomycin D
  multidrug resistance and, 404-5, 410
  P-glycoprotein and, 387
Activin A
  intramolecular chaperoning and, 356
Acute lymphocytic leukemia (ALL)
  human gene therapy and, 205
  protein tyrosine phosphatases and, 116
Acute myeloblastic leukemia (AML)
  human gene therapy and, 205
Adamantine diazirine
  photochemical labeling and, 487, 496
Adeno-associated virus
  human gene therapy and, 199, 212
Adenomas
  tumor suppressor genes and, 646-47
Adenomatous polyposis coli (APC) gene
  and protein, 629, 646
Adenosine deaminase
  gene
    initiation zone near, 48, 54
  human gene therapy and, 194-95, 206-8
  MDR1 transporter and, 396
Adenosine diphosphate (ADP)
  molecular chaperones and, 370
Adenosine monophosphate (AMP)
  microtubule-associated motors and, 436-40
  pantothenate and, 18
Adenosine triphosphate (ATP)
  glycosyl phosphatidylinositol anchors and, 128
  GroEL-bound proteins and, 367-68
  *mdr*1 genes and, 392-93
  membrane partitioning during cell division and, 338
  microtubule-associated motors and, 429, 431, 436-40, 443-48
  molecular chaperones and, 354, 356-62, 364-67, 369-76, 378
  multidrug resistance and, 391, 397, 403, 405-6, 408-13, 417
  nuclear pore complex and, 221
  nucleocytoplasmic transport and, 238-39, 243
  origins of replication and, 34
  pantothenate and, 18
  receptor tyrosine kinases and, 463
  RNA polymerase II and, 163-64, 180-81
Adenosylmethionine decarboxylases for, 21
Adenoviruses
  auxiliary components and, 38
  DNA unwinding element and, 37
  genetically defined origin and, 34
  human gene therapy and, 199, 201-2

origin of replication and, 33, 44
receptor-mediated gene transfer and, 198
transcription factor facilitation of origin activity and, 38-39, 41
tumor suppressor genes and, 629-35, 642
Adenylate cyclase
CRP protein and, 752-53
phospho-Factor III and, 752
Adenylyl cyclase
Ras activity and, 854, 864, 871, 875, 881
Adrenocortical tumors
tumor suppressor genes and, 629, 639
Adult acute leukemia
human gene therapy and, 194
Aflatoxin B
p53 gene and, 638
AG-2 peptide-based inhibitor
HIV-1 protease and, 552
torsion angle of, 550
AG-4 peptide-based inhibitor
HIV-1 protease and, 552, 565
torsion angle of, 550, 571
AG-1004
crystal form of, 548
Aglycon component
oligosaccharides and, 87
AIDS
see Acquired immunodeficiency syndrome
ALADDIN program
HIV-1 protease and, 576-77
Alanine
aminoacyl-tRNA synthetases and, 717, 741-42
CRP protein and, 760-61, 774, 782
glycosyl phosphatidylinositol anchors and, 127
HIV-1 protease and, 548, 550, 563, 567-68, 573, 580
multidrug resistance and, 404-5
oxidation of, 799, 805
pantothenate and, 17-18
pathways of protein unfolding and, 669
photochemical labeling and, 499
protein stability and, 140-41, 143-46, 152, 158
Ras proteins and, 865
vitamin B6 in synthesis of, 10
Alanine racemase
vitamin B6 and, 10
Alcohol oxidase
molecular chaperones and, 366
Alditol derivatives
protein glycosylation and, 72, 79-80
Aldopantoate
pantothenate and, 18
Alkali
protein glycosylation and, 72
riboflavin and, 5-6
Alkaline phosphatases
molecular chaperones and, 360
multidrug resistance and, 414
phosphoserine intermediate and, 110
1-Alkyl-2-acyl glycerol
glycosyl phosphatidylinositol anchors and, 124, 134
Almond meal
PNGase A and, 71
α-lytic protease
pathways of protein folding and, 675-76
α-phosphate
aminoacyl-tRNA synthetases and, 731-32
α-senDNA
mobile introns and, 608
Aluminum
transamination and, 15
Aluminum fluoride
microtubule-associated motors and, 437
α-Amanitin
transcription factor facilitation of origin activity and, 38
AMBER program
nuclear magnetic resonance and, 280
Amber suppression
amino acids and, 140
Amides
reduced
HIV-1 protease inhibitors and, 556, 566
Amino acids
aminoacyl-tRNA synthetases and, 717, 728-36
CRP protein and, 761
eukaryotic DNA replication and, 47
glycosyl phosphatidylinositol anchors and, 127
HIV-1 protease and, 545-46, 548-55, 558, 560-70, 572-74, 576, 580
membrane growth factor cleavage and, 536-37
microbiological assay for, 6
multidrug resistance and, 404-8
nerve growth factor receptors and, 829
Norit eluate factor and, 7
nucleocytoplasmic transport and, 230-31, 234-36
oxidation of, 798-819
photochemical labeling and, 496-99, 501, 503-6, 510
protein glycosylation and, 66-71
protein stability and, 139-47, 149-55, 157-58
pyridoxal-catalyzed reactions of, 14-16
Ras proteins and, 855, 861-66, 868
receptor tyrosine kinases and, 457-59, 463-64, 466, 468-72
site-specific photocrosslinking and, 505-9
TATA box-binding protein and, 165-66
transamination and, 9, 14-15
vitamin B6 in synthesis of, 10
α-Aminoacrylate
tryptophanase and, 20
Aminoacyl-tRNA synthetases
activation domains and, 723-27
aminoacylation of tRNA-like structures containing RNA pseudoknots, 743-44
characteristics of, 717
Class I, 716-21, 723-36
Class II, 716-23
complementary tRNA:protein interactions in crystal structures of Class I and Class II complexes, 736-40
conserved motifs and, 723-24
difference energy diagrams and, 728
directed mutagenesis and, 728
evolutionary descent of, 721
identity switching reveals discrete determinants, 742-43
idiosyncratic interactions and, 736-44
linear free energy relations and, 728-29
MetRS and, 733-34
mobile introns and, 590
perspectives on, 716-18
protein conformational changes and catalysis, 735-36
signature sequences of, 718-20
strain and induced fit in amino acid activation, 728-36
structural classes of, 718-28
tertiary structures for, 720-23
tRNA identity revealed by mutagenesis and in vitro expression of tRNA-derived minihelices, 740-42
TyrRS and, 729-33
zinc enzymes and, 727-28
p-Aminobenzoic acid ethyl ester (ABEE)
fast atom bombardment and, 81
3-Amino-4-hydroxy-benzoic acid
matrix-assisted laser desorption and, 83
α-Aminoisobutyrate
transamination and, 15
Aminomethyl-2-piridine
HIV-1 protease and, 550
Amiodarone
P-glycoprotein and, 387
Ammonia (NH_3)
chemical ionization and, 80
histidine decarboxylase and, 23
tryptophanase and, 20

Ammonium acetate
electrospray mass spectroscopy and, 85
Amphiregulin
membrane-anchored growth factors and, 521
receptor tyrosine kinases and, 463
Amplification control element
initiation zones and, 46, 56
Amplification enhancer region (AER-d)
initiation zones and, 46
AMPPNP ATP analog
multidrug resistance and, 410
Anal carcinoma
tumor suppressor genes and, 638
Anesthetics
multidrug resistance and, 412
Angiotensin
protein tyrosine phosphatases and, 113
Angiotensin II receptor
protein tyrosine phosphatases and, 116
1-Anilinonaphthalene-8-sulfonate (ANS)
CRP protein and, 758
molecular chaperones and, 366
pathways of protein unfolding and, 661-63, 665-66, 671- 72
Animal viruses
simple genomes and, 30
Anion-exchange chromatography
fractionation of oligosaccharide mixtures and, 73
Anionic modifications
monosaccharides and, 94-95
Anisotropy
fluorescence
RNA structure and, 264
Anomericity
oligosaccharides and, 74-78, 80
Anthracyclines
multidrug resistance and, 413-14
P-glycoprotein and, 387
Anti-arrhythmics
P-glycoprotein and, 387
Antibiotics
P-glycoprotein and, 387
Anti-CD3 antibodies
protein tyrosine phosphatases and, 115
Antidepressants
P-glycoprotein and, 387
Antihistamines
P-glycoprotein and, 387
Antihypertensives
P-glycoprotein and, 387
Antimicrotubule drugs
P-glycoprotein and, 387
Antipsychotics
P-glycoprotein and, 385, 387
AP1 protein
eukaryotic origins of replication and, 34, 41-42
Ras activity and, 882-83
APO-1 antigen
nerve growth factor receptors and, 830
Apomyoglobin
pathways of protein unfolding and, 660, 664-65
Apoptosis
tumor suppressor genes and, 642
A protein
hnRNP complexes and, 293
Arabidopsis spp.
TATA box-binding protein and, 165
Arabidopsis thaliana
multidrug resistance and, 394
araC DNA synthesis inhibitor
eukaryotic DNA replication and, 47
ara regulon
indirect activation and, 766, 773, 778-79, 782
Archaea
mobile introns and, 592
Archaebacteria
molecular chaperones and, 372-73
ARF protein
membrane partitioning during cell division and, 337
Arginine
aminoacyl-tRNA synthetases and, 717
CRP protein and, 756, 761, 764, 782, 784-86
HIV-1 protease and, 566, 580
hnRNPs and, 296, 298, 304
multidrug resistance and, 405
nucleocytoplasmic transport and, 226, 235
oxidation of, 803, 810-11, 813, 818
protein stability and, 141, 147, 149-50, 152, 155
Argon
fast atom bombardment and, 81
ARS consensus binding protein (ACBP)
origin recognition element and, 35
Arsenite
*MDR*1 RNA and, 400
Arthritis
human gene therapy and, 195
Arthrobacter sp.
vitamin B6 and, 18-19
Arylazides
photochemical labeling and, 486-87, 503
Aryldiazirines
photochemical labeling and, 487-89
Arylketones
photochemical labeling and, 489
Asialoglycoproteins
receptor-mediated gene transfer and, 198
asnB promoter
CRP protein and, 779
L-Asparaginase II
CRP protein and, 753
Asparagine
aminoacyl-tRNA synthetases and, 717
glycosyl phosphatidylinositol anchors and, 127
HIV-1 protease and, 554-55, 560-61, 563, 565, 570, 572
multidrug resistance and, 405
protein glycosylation and, 66, 69-71
protein stability and, 151-55, 157-58
Ras proteins and, 871, 877, 882
Aspartate
HIV-1 protease and, 545-46, 561, 566, 569, 574, 580
pantothenate and, 18
protein stability and, 151
Ras proteins and, 866
transamination and, 9
Aspartate transcarbamylase
nuclear localization sequences and, 233, 236-37
Aspartic acid
aminoacyl-tRNA synthetases and, 717, 738, 741
glycosyl phosphatidylinositol anchors and, 127
HIV-1 protease and, 566, 576
nerve growth factor receptors and, 829
photochemical labeling and, 497
protein glycosylation and, 70
protein stability and, 140-41, 147, 149, 151-53, 155, 157-58
protein tyrosine phosphatases and, 109
Aspartic proteases
HIV-1 protease and, 545-46, 548, 555, 566, 572-73
Aspartyl-tRNA synthetase
connective peptides and, 727
highly conserved side chains and, 726-27
Rossmann dinucleotide-binding fold and, 723-26
seryl-tRNA synthetase, 722
structure of, 722-23
Aspergillus nidulans
kinesin-like proteins and, 434-35
mobile introns and, 616
Astrocytoma
*MDR*1 RNA and, 401
tumor suppressor genes and, 625
ATPase
multidrug resistance and, 393-94, 409-12
ATP synthase
photochemical labeling and, 505-6
A/T-rich element
genetically defined origin and, 33-34, 40-41, 55

Autonomously replicating sequence
genetically defined origin and, 32, 35, 38, 43, 50, 55
Autoradiography
photochemical labeling and, 498
aux transcription factors
activation of eukaryotic origins of replication and, 33- 34, 36, 40-44
Avidin
history of, 7
Axl receptor tyrosine kinase A
signal transduction and, 474
Axons
protein tyrosine phosphatases and, 114
Azacycloheptatetraenes
photochemical labeling and, 487
Azetidine
molecular chaperones and, 363
Azidobenzoic acid
photochemical labeling and, 506
3′-Azido-3′-deoxy-thymidine (AZT)
HIV reverse transcriptase and, 690, 709
Azidophenylalanines
photochemical labeling and, 503
Azidopine
multidrug resistance and, 407-8, 414
P-glycoprotein and, 387
p-Azidophenyl acetimidate
RNA structure and, 267
Azidoprazosin
multidrug resistance and, 407
Azorhizobium caulinodans
CRP/FNR family and, 784

B

2BE2121 gene
initiation zones and, 46
33B cells
nerve growth factor receptors and, 841
41BB molecule
nerve growth factor receptors and, 830
B1 cis-acting element
autonomously replicating sequences and, 35
B2 cis-acting element
autonomously replicating sequences and, 35
B3 cis-acting element
autonomously replicating sequences and, 35
B870α light-harvesting polypeptide
photochemical labeling and, 499
Bacillus amyloliquefaciens
barnase in, 669
Bacillus megaterium
cAMP and, 754
Bacillus stearothermophilus
aminoacyl-tRNA synthetases in, 718, 735
Bacillus subtilis
mobile introns and, 599
Bacteria
DNA unwinding element and, 35
molecular chaperones and, 364
peptides and, 14
protein tyrosine phosphatases and, 105-6
RNA polymerase II and, 162
Bacterial growth factors
history of, 3-6
Bacterial sigma factor region 2.4
TATA box-binding protein and, 165
Bacteriophage HK022
Nun protein of, 918-19
Bacteriophage λ
CI protein of, 772
N and Q proteins of, 908-18
origin of bidirectional replication and, 31
regulatory circuits in, 909
Bacteriophage P22
pathways of protein unfolding and, 675
Bacteriophage Φ29 gene 6 protein
DNA bending and, 41-42
Bacteriophages
simple genomes and, 30
Bacteriorhodopsin
photochemical labeling and, 496, 498
Baculovirus
expression system
multidrug resistance and, 414
Balbiani ring ribonucleoproteins
transport of, 312
Barnase
pathways of protein folding and, 656-57, 660-61, 668-69, 673
protein stability and, 156
bcr-abl gene
in chronic myelogenous leukemia, 628
Bcr protein
Ras activity and, 874, 876
Beckwith-Wiedemann Syndrome
tumor suppressor genes and, 625, 644
B/E-linked scanning
oligosaccharides and, 80
4′-Benzoyl-phenylalanine
chemical structure of, 504
photochemical labeling and, 489, 503-4
Benzphetamine
photochemical labeling and, 496
β-elimination
protein glycosylation and, 72
tryptophanase and, 20
β-lactams
HIV-1 protease and, 578
Beta-thalassemia
human gene therapy and, 193, 195
B-factor
protein stability and, 146, 150
BglG protein
transcript termination and, 907-8
BHK kidney cell line
protein tyrosine phosphatases and, 103, 115
Bicarbonate effect
amino acid oxidation and, 804-5, 807
Bidirectional replication
mammalian origins of, 49-50
bimC protein
properties of, 435
Bio-gel P4 chromatography
oligosaccharides and, 92
Biotic acid
history of, 7
Biotin
deficiency of, 7
history of, 7
BiP protein
molecular chaperones and, 356, 358, 361-62
nucleocytoplasmic transport and, 243
bis-(2-chloroethyl)-methylamine
RNA structure and, 267
Bladder carcinoma
tumor suppressor genes and, 632-33
Blocking proteins
microtubule-associated motors and, 432
Boc strategy
photochemical labeling and, 503-4
Bombyx mori
mobile introns and, 606
Bone marrow cells
human gene therapy and, 193, 205
Borohydride reduction
pyruvoyl enzymes and, 21
Boron trifluoride etherate
linkage analysis and, 80
Bovine calf serum
growth factor precursor cleavage and, 535
Bovine pancreatic trypsin inhibitor
pathways of protein folding and, 674-75
Bovine papilloma virus (BPV)
A/T-rich element and, 33
18-bp palindrome and, 33-34
genetically defined origin and, 32
origin recognition element and, 33-34
transcription factor facilitation of origin activity and, 38-39
boxA signal
conserved
RNA polymerase and, 915-16
boxB hairpin
RNA polymerase and, 910-11
B protein
hnRNP complexes and, 293

Bradyrhizobium japonicum
CRP/FNR family and, 784
Brain-derived neurotrophic factor (BDNF)
nerve growth factor receptors and, 835-36, 839
receptor tyrosine kinases and, 469-70
Brain tumors
human gene therapy and, 194
tumor suppressor genes and, 629, 638-39
Breast cancer
human gene therapy and, 194
*MDR*1 RNA and, 401
tumor suppressor genes and, 625, 629, 632-33, 638-39, 643
Brefeldin A
membrane partitioning during cell division and, 339
bride of sevenless (boss) protein
membrane-anchored growth factors and, 526-27
Bromoacetaldehyde
nucleic acid structure determination and, 266
Bromperidol
HIV-1 protease and, 575
Bryopsis maxima
mobile introns and, 600
BTF2 factor
functions of, 174-75
Bulge loop
RNA structure and, 256-57, 269
Butanol
Norit eluate factor and, 7
B-vitamins
history of, 3
lactic acid bacteria and, 14
microbiological assay for, 6

C

3CH134 protein
protein tyrosine phosphatases and, 107
C1/C2 proteins
mRNA biogenesis and, 295
C6 cells
nerve growth factor receptors and, 841
Ca^{2+}
membrane partitioning during cell division and, 332-33
microtubule-associated motors and, 436, 445
nucleocytoplasmic transport and, 238
pathways of protein folding and, 658, 669-70
photochemical labeling and, 495, 505
receptor tyrosine kinases and, 460, 463, 470, 473
Ca^{2+} ionophores
growth factor precursor cleavage and, 535
CAD gene promoter
origin of bidirectional replication and, 48
Cadmium chloride
*MDR*1 RNA and, 400
Caenorhabditis elegans
dyneins and, 443
kinesins and, 433-35, 440-42
lin-3 gene and, 523
multidrug resistance and, 394
ras genes and, 854
receptor tyrosine kinases and, 454, 456, 460, 462, 464
sem5 gene and, 880
Cafe-au-lait spots
in Von Recklinghausen's neurofibromatosis, 645
Calcium channel blockers
multidrug resistance and, 407-8, 410-13
P-glycoprotein and, 387
Calcium pantothenate
history of, 5-6
Calcium phosphate coprecipitation
human gene therapy and, 197
Calmodulin
HIV-1 protease and, 554
photochemical labeling and, 495, 504-5
cAMP response element-binding (CREB) protein
DNA unwinding element and, 36
Camptothecin
multidrug resistance and, 416
Cancer
human gene therapy and, 194-96, 208-9
*mdr*1 gene and, 400-1
nerve growth factor receptors and, 840
receptor tyrosine kinases and, 475
Capillary zone electrophoresis
electrospray mass spectroscopy and, 84
fractionation of oligosaccharide mixtures and, 73
CAP protein
Ras activity and, 881
Carbamylcholine
photochemical labeling and, 496
Carbenes
generators of, 486-89
photochemical labeling and, 497-98, 501
Carbohydrate heterogeneity
glycosylation site and, 69
Carbon dioxide (CO_2)
chemical ionization and, 80
fixation of, 4
Carbonic anhydrase
pathways of protein folding and, 662, 665
protein tyrosine phosphatases and, 110
Carbon starvation
CRP protein and, 753
Carboxymethylation
protein glycosylation and, 70
Carcinoid tumors
*MDR*1 RNA and, 401
Cardiolipin
multidrug resistance and, 414
Cardiovascular disease
human gene therapy and, 195-96
Casein
D-alanine and, 10
microtubule-associated motors and, 432
molecular chaperones and, 367
pantothenic acid and, 5
Casein kinases
molecular chaperones and, 374
protein tyrosine phosphatases and, 114
tumor suppressor genes and, 636
Catabolite gene activator protein
see CRP protein
cat promoter
CRP protein and, 779
CCAAT box transcription factor
origin activity and, 39
c-crk protein
receptor tyrosine kinases and, 459
CD4 lymphocytes
HIV and, 197
CD40 cell surface molecule
nerve growth factor receptors and, 830
CD45 hematopoietic cell surface protein
protein tyrosine phosphatases and, 102, 108-111, 113-14
cdc2 kinase
membrane partitioning during cell division and, 330-33, 344
tumor suppressor genes and, 634-36
cdc2 serine/threonine kinase
protein tyrosine phosphatases and, 106, 108
CDC25 gene
NF1 gene and, 874-77, 881
protein tyrosine phosphatases and, 106-7
receptor tyrosine kinases and, 462
CDC42Hs protein
receptor tyrosine kinases and, 462
Cdc46 protein
nuclear protein uptake regulation and, 246-47
cdd promoter
CRP protein and, 780, 783
CDP-ethanolamine
glycosyl phosphatidylinositol anchors and, 131
cea promoter
CRP protein and, 779-80
Cell adhesion molecules (CAMs)
glycosyl phosphatidylinositol anchors and, 122
protein tyrosine phosphatases and, 110
Cell cycle
nucleocytoplasmic transport and, 223

protein tyrosine phosphatases and, 106-8
tumor suppressor genes and, 629-30, 633-35, 640, 642
Cell division
membrane partitioning during, 323-44
Cell signalling
Ras and, 877-83
CENP-E protein
properties of, 435
Central nervous system (CNS)
nerve growth factor receptors and, 838-39, 841
protein tyrosine phosphatases and, 110, 114
Cephalosporins
P-glycoprotein and, 387
Ceramide
glycosyl phosphatidylinositol anchors and, 124, 134
membrane partitioning during cell division and, 332
Cervical carcinoma
tumor suppressor genes and, 624, 632
Cesium ions
fast atom bombardment and, 81
c-fos oncogene
nerve growth factor receptors and, 832-33
origin of replication and, 43
Chaotropic agents
proteins unfolded by, 657-59
Chaperones
pathways of protein folding and, 677
Chaperonin-like proteins
in eukaryotic cytosol, 372-73
Chaperonins
in protein folding and assembly, 365
CHAPS detergent
multidrug resistance and, 411
c-Ha-ras protein
receptor tyrosine kinases and, 462
Chelating agents
amino acid oxidation and, 803
Chemical ionization
oligosaccharides and, 72-74, 80
Chemical probes
RNA structure and, 265-66
Chemotherapy
antitrypanosomal, 133
Chinese hamster ovary (CHO) cells
initiation zones for replication and, 46-49
multidrug resistance and, 409
receptor tyrosine kinases and, 473
Chironomus tentans
hnRNPs and, 312, 316
Chitobiose core
protein glycosylation and, 71
Chlamydomonas ODA6 gene product
dyneins and, 444
Chlamydomonas reinhardtii
mobile introns and, 591, 613, 615
Chlamydomonas smithii
mobile introns and, 596, 616
Chloramphenicol acetyltransferase (CAT)
*MDR*1 gene and, 400-1
molecular chaperones and, 366
Chloride channels
P-glycoprotein and, 399, 405, 413, 417-18
Chloroplasts
membrane partitioning during cell division and, 343
molecular chaperones and, 364-65
Cholesterol
photochemical labeling and, 494
Cholinephosphotransferase
glycosyl phosphatidylinositol anchors and, 131
Chromatin
membrane partitioning during cell division and, 334-35, 338
metazoan DNA replication and, 55-56
nerve growth factor receptors and, 837
repression from, 42-45
Chromium trioxide oxidation
oligosaccharides and, 74, 80
Chromophore transfer labeling
photosuicide labeling reagents and, 490
Chromosomes
metazoan, 50
nerve growth factor receptors and, 830
ras genes and, 854
tumor suppression and, 624-27, 636, 644-47
Chronic myelogenous leukemia (CML)
human gene therapy and, 194, 205
*MDR*1 RNA and, 401
tumor suppressor genes and, 628, 638
Chymotrypsin
CRP protein and, 758
pathways of protein folding and, 670
Cin8 protein
properties of, 435
Circular dichroism (CD) spectroscopy
hnRNPs and, 303
RNA structure and, 263
pathways of protein folding and, 659-60
cis-acting sequences
origins of replication and, 30-32, 35, 46, 53
Citrate synthase
molecular chaperones and, 375
Citrullinaemia
human gene therapy and, 193
cJUN activation domain
origin of replication and, 41-43
c-kit protein
membrane-anchored growth factors and, 525
receptor tyrosine kinases and, 466, 468
Clathrin-coated vesicles
membrane partitioning during cell division and, 329
molecular chaperones and, 361
Cleavage furrow
positioning of
membrane partitioning and, 342
Clostridium butylicum
biotin and, 7
Clostridium perfringens
histidine decarboxylase and, 21, 24
CMCT
nucleic acid structure determination and, 266
CMF catabolite repression factor
CRP protein and, 754
c-myc gene
initiation zone and, 48-49
Coated pits
membrane partitioning during cell division and, 329-30
Coenzyme A
intestinal phosphatase and, 12
Coherence spectroscopy
RNA structure and, 270-71, 275
Coil forms
chaotropic agents and, 658-59
Colchicine
multidrug resistance and, 391, 404-5, 407, 410
P-glycoprotein and, 387
ColE1 plasmid
termination mechanism and, 902
Colicin E1
CRP protein and, 780
Collision-induced dissociation (CID)
oligosaccharides and, 79, 85
Colony-stimulating factor 1 (CSF-1)
membrane-anchored growth factors and, 524
Ras activity and, 870, 880
Colorectal carcinoma
nerve growth factor receptors and, 837
tumor suppressor genes and, 624-25, 646-47
Complete preinitiation complex
RNA polymerase II, 170-81
Complex genomes
origins of DNA replication in, 44, 46-50
Concanavalin A (Con A)
protein tyrosine phosphatases and, 115
Conformational coupling
DNA polymerase fidelity and, 685-711

Connective peptides
  aminoacyl-tRNA synthetases and, 727
Conserved domains
  protein tyrosine phosphatases and, 112-13
COP-coated vesicles
  membrane partitioning during cell division and, 337
Copper
  transamination and, 15
Copy DNA (cDNA)
  GAP, 869
  intron mobility and, 604-6
  kinesin, 434, 439
  *mdr*1, 389-91, 393, 395-96, 399, 404-5, 411
  NF1, 872
  p62, 880
  p75, 833
Core promoter element
  mRNA synthesis and, 161
Corkscrew protein
  receptor tyrosine kinases and, 456, 459
corkscrew PTPase
  tyrosine dephosphorylation and, 104
Correlation spectroscopy
  oligosaccharides and, 77
Corynebacterium diphtheriae
  nicotinic acid and, 5
Coumarin
  RNA modified with, 263
C protein
  hnRNP complexes and, 293-94
c-Raf1 protein
  receptor tyrosine kinases and, 456
c-ras proteins
  nerve growth factor receptors and, 843
Crosslinking
  future research on, 509-11
  introduction to, 483-85
  photolabile groups and reactive intermediates, 485-90
  site-specific photocrosslinking, 503-5
CRP protein
  allosteric alterations in
    evidence for structural changes, 758-59
    nature of conformational changes in CRP induced by cAMP binding and by *crp** mutations, 760-61
    objectives for structural changes in, 759-60
    summary of cAMP-induced allosteric changes, 762
  binding of CRP to DNA
    binding to specific sites, 762-63
    consensus sites, 763
    CRP-induced DNA binding, 764-66
    nonspecific binding, 762
    specific interactions within TGTGA motif, 764
  direct activation of transcription by
    architecture of CRP-dependent promoters and spacing requirements, 766-67
    biochemical steps of transcription initiation, 766
    CRP action at *malT* promoter, 772
    CRP-RNA polymerase contacts are necessary but may not be sufficient for activation, 770-71
    importance of CRP-RNA polymerase contacts and CRP in *cis*, 769-70
    phenomenology of CRP-dependent transcription activation, 767-69
    promoters with CRP bound at -41.5 and -61.5 are fundamentally different, 771
  FNR gene activator protein and, 783-86
  glucose effects and cAMP in *E. coli*
    cAMP as sensory element in global regulatory networks, 752-53
    catabolite repression and, 754
    crp gene and, 753-54
    cya gene and, 753-54
  indirect activation and
    ara regulon, 778-79
    CRP cooperates with other activators, 775-76
    lux regulon, 779
    mal regulon, 776-77
    pap regulon, 779
    promoters with multiple CRP-binding sites, 779-80
  introduction to, 750-52
  protein-protein contacts and transcription activation
    CRP has two potential activator loops, 775
    location of active CRP subunit at different promoters, 774
    RNA polymerase alpha subunit role in contacts with CRP, 773-74
    surface-exposed loop in CRP contacts RNA polymerase, 772-73
  repression by CRP and cAMP
    direct repression, 780-81
    indirect repression, 781-83
  tasks of, 751
  three-dimensional structures and, 754-57
C-terminal domain
  RNA polymerase II and, 181-84
CTPase
  microtubule-associated motors and, 433
cut7 protein
  properties of, 435
CV-1 green monkey kidney cells
  protein tyrosine phosphatases and, 114
Cyanogen bromide
  P-glycoprotein and, 407
  photochemical labeling and, 496, 498
α-Cyano-4-hydroxycinnamic acid
  matrix-assisted laser desorption and, 82
cyaP2 promoter
  CRP protein and, 753-54, 781
Cyclic adenosine monophosphate (cAMP)
  CRP protein and, 750-789
  *mdr*1 RNA and, 400
  nuclear protein uptake and, 245
  Ras activity and, 881
  receptor tyrosine kinases and, 470
Cyclic adenosine monophosphate (cAMP)-dependent protein kinase
  multidrug resistance and, 409
Cyclic guanosine monophosphate (cGMP)
  protein tyrosine phosphatases and, 116
Cyclins
  membrane partitioning during cell division and, 330-31, 334
  protein tyrosine phosphatases and, 106-7
  tumor suppressor genes and, 634-35
Cycloheximide
  eukaryotic DNA replication and, 49
  nerve growth factor receptors and, 841
Cyclohexylalanine
  HIV-1 protease and, 550
Cyclosporins
  molecular chaperones and, 375
  multidrug resistance and, 407
  P-glycoprotein and, 387
CYR1 gene C
  NF1 gene and, 881
Cystamine
  pantothenate and, 12
Cysteamine
  pantothenate and, 12
Cysteine
  aminoacyl-tRNA synthetases and, 717
  CRP protein and, 758, 761, 782
  FNR protein and, 783
  glycosyl phosphatidylinositol anchors and, 127
  molecular chaperones and, 361
  oxidation of, 812-13
  pantothenate and, 12
  photochemical labeling and, 498, 503, 505-6
  protein tyrosine phosphatases and, 106, 108-112

Ras proteins and, 861-64
receptor tyrosine kinases and, 455, 463, 469
Cystic fibrosis
human gene therapy and, 193
Cystine
nerve growth factor receptors and, 827-32
protein stability and, 141
CYT-18 protein
mobile introns and, 590, 605
Cytochrome c
microtubule-associated motors and, 432
pathways of protein folding and, 656, 658, 660, 664, 667, 673
Cytochrome P-450
photochemical labeling and, 495-96
Cytoplasm
microtubule-associated motors and, 429-48
Cytosol
eukaryotic
chaperonin-like proteins in, 372-73
Cytotoxic lymphocytes
human gene therapy and, 205-6
cytR promoter
CRP protein and, 779-80, 782-83, 788

D

D6P2T cells
nerve growth factor receptors and, 841
D98/AH-2 cells
p65 protein and, 107
D283 MED cells
nerve growth factor receptors and, 833
Daunorubicin
multidrug resistance and, 410-11
dbl protein
Ras activity and, 874, 876
receptor tyrosine kinases and, 462
DCC gene
and protein, 629, 646-47
DEAD-box
mobile introns and, 592
Decarboxylases
coenzyme for, 21
pyridoxine and, 17
transamination and, 15
Dehydrogenases
protein tyrosine phosphatases and, 112
Delay accelerating factor (DAF)
glycosyl phosphatidylinositol anchors and, 127-28, 135
deoP2 promoter
CRP protein and, 780, 782-83
2-Deoxyglucose
multidrug resistance and, 412
Deoxypyrimidine kinase
nerve growth factor receptors and, 829
Deoxyribosides
lactic acid bacteria and, 14
milk bacteria and, 12
Depth mapping
of membrane proteins, 493
Derivitization
anomericity and, 80
Detergents
multidrug resistance and, 411-12
P-glycoprotein and, 387
Diacylglycerol (DAG)
glycosyl phosphatidylinositol anchors and, 123-24, 127, 131, 133-34
nerve growth factor receptors and, 843
Diazirines
photochemical labeling and, 487
Diazoesters
photochemical labeling and, 489
Diazonium salts
photosuicide labeling reagents and, 490
Dibenzophenones
HIV-1 protease and, 576
Dictyostelium discoideum
glycosyl phosphatidylinositol anchors and, 124, 134
receptor tyrosine kinases and, 460
Diethylpyrocarbonate
RNA structure and, 267
Difference energy diagrams
aminoacyl-tRNA synthetases and, 728-29
Diffusion-collision model
pathways of protein folding and, 679
Difluoroketones
HIV-1 protease and, 574
Difluorostatone
HIV-1 protease and, 556
Digitalis
photosuicide labeling reagents and, 490
Dihedral angle
RNA structure and, 271
Dihydrofolate reductase (DHFR)
initiation of DNA replication and, 45-50, 52, 54-55
molecular chaperones and, 365-68, 371
nucleocytoplasmic transport and, 238, 246
pathways of protein folding and, 660, 662-63, 665-66, 668, 671-73, 676-77
TATA box-binding protein and, 165
Dihydroperidines
P-glycoprotein and, 387
2,5-Dihydroxybenzoic acid
matrix-assisted laser desorption and, 82
Dihydroxyethylene
HIV-1 protease inhibitors and, 556
3,4-Dihydroxyphenylalanine (DOPA)
tyrosine oxidation and, 800, 810
Dimethylformamide
mdr RNA and, 399
β,β-Dimethylmalate
pantothenate and, 18
5,5-Dimethyl-1-pyrroline-N-oxide (DMPO)
amino acid oxidation and, 805-7
Dimethylsulfate
nucleic acid structure determination and, 266
RNA structure and, 267
Dimethyl sulfoxide (DMSO)
mdr RNA and, 399
Diols
HIV-1 protease and, 574-75
Dioxin receptors
molecular chaperones and, 374
Direct DNA uptake
human gene therapy and, 197
Directed mutagenesis
aminoacyl-tRNA synthetases and, 728-29
Disulfide bonds
molecular chaperones and, 357
Disulfide bridges
protein stability and, 142
Disulfide isomerases
pathways of protein folding and, 677
Diterpenes
P-glycoprotein and, 387
Dithiobis-2-nitrobenzoic acid (DTNB)
CRP protein and, 758
DLAR receptor-type-PTPase
biological role of, 114
embryonic nervous system and, 110
DNA helicase
activation of eukaryotic origins of replication and, 34
DNA intercalators
P-glycoprotein and, 387
DnaJ protein
hsp70 chaperones and, 360-61
nucleocytoplasmic transport and, 225, 243
DnaK protein
hsp70 chaperones and, 360-61
DNA locus
small
replication events and, 46-48
DNA polymerases
base-pairing free energies and fidelity problem, 686-88
exonuclease proofreading and, 703-8
HIV reverse trancriptase and, 709-10
mechanisms of, 693-94
DNA binding and processivity, 694-96
frameshift errors and, 701-2
induced-fit selectivity, 700-1
mismatches in duplex DNA, 700

mutational hot spots and, 701-2
nucleotide bonding: K_d for productive E- DNA-dNTP complex, 696-97
nucleotide sequence dependence and, 701-2
pyrophosphorolysis vs. pyrophosphate exchange, 702-3
rate-limiting conformational change, 697-700
origins of replication and, 31, 34, 37, 39-41, 44
perspectives on, 685-86
properties of, 688-90
replication at a fork and, 710
structures of, 690-93
DNA primases
origins of replication and, 31, 34, 40
DNA replication
enzymology of, 686-90
eukaryotic, 29-57
DNAse I
TATA box-binding protein and, 165
DNA synthesis inhibitors
eukaryotic DNA replication and, 47
DNA tumor viruses
oncogenes of
in targeting major cellular tumor suppressor genes, 629-32
DNA unwinding element (DUE)
in origin of replication, 33, 35-37, 41, 56
DOCK program
HIV-1 protease and, 575
Dolichol-phosphoryl-mannose glycosyl phosphatidylinositol anchors and, 130-34
Dopamine
protein tyrosine phosphatases and, 116
Double-strand break repair pathway
for intron mobility, 602-3
Doxorubicin
multidrug resistance and, 405, 411, 416
P-glycoprotein and, 387
D protein
hnRNP complexes and, 294
mRNA biogenesis and, 297
DPTP10D domain
protein tyrosine phosphatases and, 108, 110, 114
DPTP99A receptor-type-PTPase
biological role of, 114
embryonic nervous system and, 110
D-raf protein
receptor tyrosine kinases and, 456
D-raf serine/threonine kinase
tyrosine dephosphorylation and, 104
Drosophila chorion gene region
amplification of, 46, 56
Drosophila melanogaster
dynein and, 446
gap1 and, 870
hnRNPs and, 295, 297, 303, 311, 316
kinesins and, 435, 441
multidrug resistance and, 394
ras genes and, 854
receptor tyrosine kinases and, 454, 456, 459-60, 462, 464
spitz gene and, 523
Drosophila spp.
corkscrew PTPase and, 104
factor 5 and, 172
heat-shock proteins and, 357
histone genes and, 54
kinesins and, 433-34, 439-41
native TATA factor and, 168
origins of replication and, 55, 57
protein tyrosine phosphatases and, 104, 110, 114
replication bubbles and, 54
RNA polymerase II and, 162
TATA box-binding protein and, 165
TFIIB and, 170
transmembrane molecules and, 109
tyrosine kinase receptor and, 836
Duplex DNA
mismatches in, 700
Dyad symmetry element
origin recognition element and, 32
Dynactin
microtubule-associated motors and, 444
Dynein
DNA polymerase mechanisms and, 698
identification and structure of, 443-44
in vivo functions of, 446-47
mechanochemistry and force generation of, 444-46
membrane partitioning during cell division and, 339

E

E1 protein
eukaryotic origins of replication and, 34, 39-40
human gene therapy and, 201-2
E1A adenovirus protein
tumor suppressor genes and, 630-35
E1B-55-kDa adenovirus protein
tumor suppressor genes and, 631, 642
E2 protein
activation of eukaryotic origins of replication and, 34, 39-40
E2F cellular transcription factor
tumor suppressor genes and, 634-35
E6 protein
human papillomavirus, 631-32, 642-43
E7 protein
human papillomavirus, 631-35
EBNA-1 protein
activation of eukaryotic origins of replication and, 34-35, 43-44, 54
Ecto ATPase
receptor tyrosine kinases and, 466
Edman degradation
photochemical labeling and, 496-99, 504-5
protein glycosylation and, 68
E-DNA-dNTP complex
productive
K_d for, 696-97
EDTA-Fe^{2+}
nucleic acid structure determination and, 266-67
Eg5 protein
properties of, 435
Egg white injury
avidin and, 7
Electron impact (EI) ionization
oligosaccharides and, 79
determination of anomericity by derivitization and GC/MS, 80
linkage analysis by permethylation and GC/MS, 80
Electrospray mass spectroscopy
oligosaccharides and, 84-85
Electrostatics
protein stability and, 146-50
Elongation-termination decision
RNA-binding proteins and, 896, 899-902
Embryonal rhabdomyosarcoma
nerve growth factor receptors and, 840
Emetine
histone synthesis and, 49
P-glycoprotein and, 387
Emphysema
human gene therapy and, 193
Endo-α-*N*-acetylgalactosaminidase
protein glycosylation and, 71
Endocrine system
nerve growth factor receptors and, 839
Endocytosis
of membrane-anchored ligand, 530
membrane partitioning during cell division and, 329-31
Endo-β-D-galactosidase
oligosaccharide structural analysis and, 89
Endoglycopeptidases
protein glycosylation and, 68-70
Endoglycosidases
oligosaccharide structural analysis and, 86-89
protein glycosylation and, 68-71

Endometrial carcinoma
tumor suppressor genes and, 624
Endonucleases
mobile introns and, 595-99
Endoplasmic reticulum (ER)
glycosyl phosphatidylinositol anchors and, 126, 132-34
membrane partitioning during cell division and, 325, 327-28, 332-33, 337-44
microtubule-associated motors and, 439
molecular chaperones and, 358-59, 361-62, 374
protein folding and, 356-57
Endoproteinases
protein glycosylation and, 70
Endoribonucleases
RNA structure and, 264
transcription factor facilitation of origin activity and, 38
Endo-α-D-sialidase
oligosaccharide structural analysis and, 89
Endosomes
membrane partitioning during cell division and, 329
Endothelial cells
gene transfer and, 193
Enhancers
mRNA synthesis and, 161
Enterobacter aerogenes
histidine decarboxylase and, 24
Enzymatic analysis
oligosaccharides and, 71-72, 74, 87-92
endoglycosidases, 86-89
future trends, 91-92
parallel analysis, 91-92
sequential analysis, 87, 90-91
Eph-like proteins
receptor tyrosine kinases and, 474
Epidermal growth factor (EGF)
growth factor precursor cleavage and, 535
membrane-anchored growth factors and, 518-24
multidrug resistance and, 414
nerve growth factor receptors and, 833-34, 837
protein tyrosine phosphatases and, 102, 113
Ras activity and, 879
receptor tyrosine kinases and, 456, 459, 461, 463-64, 475
Epipodophyllotoxins
P-glycoprotein and, 387
E protein
mRNA biogenesis and, 297
Epstein-Barr virus (EBV)
auxiliary components and, 38
cancer and, 196
human gene therapy and, 199
nuclear retention sequence and, 48, 57
origin of bidirectional replication and, 32
origin recognition element and, 34
transcription factor facilitation of origin activity and, 43
erbB series proteins
receptor tyrosine kinases and, 463
ERK kinases
receptor tyrosine kinases and, 460, 466, 470-71, 473
signal transduction and, 454
Erythrocyte protein band 4.1
protein tyrosine phosphatases and, 104
Erythro-9-[3-2-(hydroxynonyl)adenine (EHNA)
cytoplasmic dynein and, 445
Escherichia coli
aminoacyl-tRNA synthetases and, 718, 723-26, 735
ATP synthase and, 505
BglG protein and, 907-8
cAMP receptor protein and 750-89
dihydrofolate reductase and, 676
DnaJ protein and, 225
DNA polymerase and, 689, 690
heat-shock proteins and, 351-54, 357-65, 373-76, 378
kinesin-like proteins and, 440
molecular chaperones and, 371, 373
multidrug resistance and, 411
origin of bidirectional replication and, 31
P-glycoprotein and, 396
ras genes and, 864
Rho protein and, 904-8
RNA polymerase II and, 162
RNA structure and, 259, 262-63, 267
thioredoxin and, 689
Esophageal carcinoma
tumor suppressor genes and, 638
Ethanolamine
glycosyl phosphatidylinositol anchors and, 123-26, 131
Ethanolamine-phospho-6Manα1-2Manα1- 6Manα1-4GlcNα1-6*myo*-inositol-1-phospho-lipid
glycosyl phosphatidylinositol anchors and, 124
Ethidium
fluorescence and, 264
Ethidium bromide
P-glycoprotein and, 387
Ethylenediaminetetraacetic acid (EDTA)
amino acid oxidation and, 816-17
microtubule-associated motors and, 436
molecular chaperones and, 373
photochemical labeling and, 506
protein tyrosine phosphatases and, 111-12
Ethylene glycol
protein tyrosine phosphatases and, 111
N-Ethylmaleimide
membrane partitioning during cell division and, 338
microtubule-associated motors and, 432, 445
molecular chaperones and, 359-61
protein tyrosine phosphatases and, 111
O-Ethylmorpholinyltyrosine
HIV-1 protease and, 550
Ethylnitrosourea
nucleic acid structure determination and, 266
RNA structure and, 267
Ethylpyridine
HIV-1 protease and, 550
Etoposide
P-glycoprotein and, 387
ets family
Ras activity and, 883
Euglena gracilis
heat-shock proteins and, 351
mobile introns and, 591, 600-1
Eukaryotes
chaperonin-like proteins in, 372-73
Eukaryotic DNA replication
metazoan initiation zone function, 50-56
origins of DNA replication in complex genomes
mammalian origins of bidirectional replication, 49-50
replication forks initiated at specific site within initiation zone, 48-49
replication structures appear throughout a broad initiation zone, 44, 46
small DNA locus, 46-48
origins of DNA replication in simple genomes
basic components of origin of replication, 32-38
functional and genetic origins are coincident, 31-32
mechanisms by which transcription factors facilitate origin activity, 38-45
replication fork model with random segregation of prefork histone octamers, 31-32
perspective on, 30-31
Evolution
intron, 610-16
Ewing's sarcoma
nerve growth factor receptors and, 840
EX2 mechanism
pathways of protein folding and, 663
Exocytosis
membrane partitioning during cell division and, 331-33

Exodeoxyribonuclease V
nerve growth factor receptors and, 829
Exoglycosidases
oligosaccharide structural analysis and, 86-89
Exonuclease proofreading
DNA polymerase mechanisms and, 703-4
bidirectional sliding of DNA to exonuclease site and back, 706-8
kinetic partitioning in selectivity of exonuclease, 704-6
Extracellular domain
protein tyrosine phosphatases and, 109-10
Ezrin
protein tyrosine phosphatases and, 104

F

F1-ATPase β
molecular chaperones and, 359
F9 cells
genetically defined origin and, 43
Familial adenomatous polyposis
tumor suppressor genes and, 646
Farnesyl transferase
Ras activity and, 863-64
Fas antigen
nerve growth factor receptors and, 830
Fasciclin I
protein tyrosine phosphatases and, 110
Fast atom bombardment-mass spectroscopy (FAB-MS)
oligosaccharides and, 80-82, 86
protein glycosylation and, 72
Fatty acid binding protein
receptor tyrosine kinases and, 466
Fatty acid desaturase
membrane partitioning during cell division and, 342
Fatty acids
glycosyl phosphatidylinositol anchors and, 127, 131, 133-34
Fatty acyl chains
photochemical labeling and, 493
FC factor
functions of, 172-73
fdn genes
FNR protein and, 786
Fenton reaction
metal-catalyzed oxidation of amino acids and, 801-2, 804, 806, 810, 812, 814, 818
Ferritin
nerve growth factor receptors and, 828, 830
Fibrillarin
nucleocytoplasmic transport and, 226
Fibroblast growth factor (FGF)
receptor family
receptor tyrosine kinases and, 458, 460, 471-75
Fibroblasts
gene transfer and, 193
protein tyrosine phosphatases and, 115-16
Fibronectin type III
DCC protein and, 647
receptor tyrosine kinases and, 455, 469
Fibrous histocytoma
malignant
tumor suppressor genes and, 643
Fingerprint matching
oligosaccharides and, 75-76, 91-92
Fireman's grip interaction
HIV-1 protease and, 548
FIS protein
CRP protein and, 788
FK506
molecular chaperones and, 375
P-glycoprotein and, 387
Flavobacterium meningosepticum
PNGase F and, 69
Flippases
multidrug resistance and, 417
Fluorescein
RNA modified with, 263
Fluorescence
RNA structure and, 263-64
Fluorophores
photosensitized labeling and, 490
Fmoc strategy
photochemical labeling and, 503-5
FNR gene activator protein
CRP protein and, 753, 779, 783-86, 788
Folate
glycosyl phosphatidylinositol anchors and, 122, 126
Folic acid
history of, 7-8
Food
vitamins and, 6
Footprinting
CRP protein and, 771
RNA structure and, 267-68
TATA box-binding protein and, 165
Formylkynurenine
tryptophan oxidation and, 800, 810
Forskolin
multidrug resistance and, 407
P-glycoprotein and, 387
F protein
mRNA biogenesis and, 297
Framework model
pathways of protein folding and, 679
Fucose
mammalian glycoproteins and, 67, 70
nuclear magnetic resonance and, 75
protein glycosylation and, 67, 70-71
α-L-Fucosidase
oligosaccharide structural analysis and, 89-90
Fucosidosis
human gene therapy and, 193
Fumarate
CRP protein and, 753, 786
Functional origin
simple genomes and, 31
Furanose structures
analysis of, 79, 87, 93

G

1G7 antigen
glycosyl phosphatidylinositol anchors and, 123, 125
Gal4 protein
nuclear localization sequences and, 233-35
tumor suppressor genes and, 641
GAL4:VP16
initiation complex activity and, 42
Galactofuranose monosaccharide
NMR spectrum of, 77
Galactose
fermentation and, 12
glycosyl phosphatidylinositol anchors and, 125
Galactose β-3-*N*-acetylgalactosamine
protein glycosylation and, 72
α-D-Galactosidase
oligosaccharide structural analysis and, 88
β-Galactosidase
nucleocytoplasmic transport and, 230, 234-36
oligosaccharide structural analysis and, 88
P-glycoprotein and, 411
β-Galactosides
milk bacteria and, 12
Galactosylation
glycosyl phosphatidylinositol anchors and, 124
gal promoter
CRP protein and, 752, 765-66, 768-70, 772-74, 780-81, 784
Gamma irradiation
p53 protein and, 642
Ganglioneuroma
nerve growth factor receptors and, 840
Gap1 protein
receptor tyrosine kinases and, 456
Gar1 protein
nucleocytoplasmic transport and, 226
Gas chromatography/mass spectroscopy (GC/MS)
oligosaccharides and, 79-80
Gas-liquid chromatography (GLC)

oligosaccharides and, 79
Gastric carcinoma
tumor suppressor genes and, 643
Gaucher's disease
human gene therapy and, 193
GC-rich linker scanner mutations
DNA unwinding element and, 35
GDP-mannose
glycosyl phosphatidylinositol anchors and, 129-30
Gel filtration
fractionation of oligosaccharide mixtures and, 73
protein glycosylation and, 72
General initiation factors
RNA polymerase II, 161-84
Genetically defined origin (*ori*)
simple genomes and, 31
Genetic disease
human gene therapy and, 191-92
Geranylgeranyl transferase
Ras activity and, 863
Giant loops
hnRNPs and, 296, 306
Glioblastoma multiforme
tumor suppressor genes and, 625
Glioma
nerve growth factor receptors and, 841
Global regulatory networks
cAMP as sensory element in, 752-53
Glucoceramide
membrane partitioning during cell division and, 332
Glucocorticoid receptor
DNA unwinding element and, 36
molecular chaperones and, 374
nuclear protein uptake regulation and, 247-48
Glucosamine
glycosyl phosphatidylinositol anchors and, 125, 129
Glucosaminyl-phosphatidylinositol
synthesis of, 130
Glucose
effect
CRP protein and, 750, 752-53
fermentation and, 12
history of, 6
mammalian glycoproteins and, 67
α-Glucosidase
molecular chaperones and, 371
Glued gene
cytoplasmic dynein and, 446
Glutamate
bacterial capsules and, 10
decarboxylation and, 24
nucleocytoplasmic transport and, 230
protein stability and, 140, 150
transamination and, 9
Glutamate-aspartate apotransaminase
transamination and, 18
Glutamate decarboxylase (GluDCase)
history of, 21
Glutamic acid
aminoacyl-tRNA synthetases and, 717
CRP protein and, 756, 764, 774, 785
HIV-1 protease and, 554
nerve growth factor receptors and, 829
photochemical labeling and, 497
protein stability and, 141, 147, 149-51, 153, 155
Ras proteins and, 868
Glutamine
aminoacyl-tRNA synthetases and, 717, 738-39, 741
CRP protein and, 759, 761, 772
HIV-1 protease and, 550, 554-55, 561, 563-65
oxidation of, 802, 805
protein stability and, 141
Ras proteins and, 865
Glutathione S-transferase
multidrug resistance and, 389
Glycerol
fast atom bombardment and, 81-82
glycosyl phosphatidylinositol anchors and, 133-34
nucleocytoplasmic transport and, 242
Glycerophosphoryl diester phosphodiesterase
nerve growth factor receptors and, 829
Glycine
aminoacyl-tRNA synthetases and, 717
CRP protein and, 759, 761, 773, 784-86
glycosyl phosphatidylinositol anchors and, 127
HIV-1 protease and, 545-46, 551-52, 560-61, 567-68, 572-74, 576, 578, 580
hnRNPs and, 295-98
multidrug resistance and, 405
nerve growth factor receptors and, 830
nucleocytoplasmic transport and, 226, 235
oxidation of, 799
pathways of protein folding and, 669
P-glycoprotein and, 404
photochemical labeling and, 501, 504
protein stability and, 141-42, 153, 155, 158
protein tyrosine phosphatases and, 112
Ras proteins and, 865-66
receptor tyrosine kinases and, 459, 464
Glycogen synthase
receptor tyrosine kinases and, 464-65
Glycogen synthase kinase 3
protein tyrosine phosphatases and, 114
Glycoinositol phospholipids
glycosyl phosphatidylinositol anchors and, 122
Glycolipid A
glycosyl phosphatidylinositol anchors and, 125-28
Glycolipid C
glycosyl phosphatidylinositol anchors and, 125, 127-28, 131
Glycons
structural diversity of, 66
Glycopeptides
release of *N*-and *O*-linked oligosaccharides from, 70-73
Glycophorin A
photochemical labeling and, 494-95
Glycoprotein-associated oligosaccharides
analysis of protein glycosylation and
analytical strategies for characterizing protein glycosylation, 66-68
fractionation of oligosaccharide mixtures, 73
identification of glycosylated sites, 68-70
release of *N*-and *O*-linked oligosaccharides from glycoproteins and glycopeptides, 70-73
structural analysis of isolated oligosaccharides, 73
summary and perspectives on, 65-66
Glycoproteins
release of *N*-and *O*-linked oligosaccharides from, 70-73
Glycosaminoglycans
membrane partitioning during cell division and, 333
Glycosidase digestion
protein glycosylation and, 72
Glycosidic torsion angle
RNA structure and, 256
Glycosylated sites
identification of
amino acid analysis, 68-69
endoglycosidases and endoglycopeptidases, 68-70
HPLC/FAB-MS, 68, 70
Glycosyl phosphatidylinositol (GPI) anchors
attachment of GPI to protein
anchor precursor, 126-27
mechanism of anchor addition, 128-29
sequence determinants for anchor addition, 127-28
biosynthesis of, 129-30
acylated inositols and, 131
glucosaminyl phos-

phatidylinositol synthesis, 130
GPI remodeling, 133-34
intracellular location of, 132-33
in mammalian cells, 131-35
mannose addition, 130-31
phosphoethanolamine addition, 131
future research on, 135
introduction to, 122
oligosaccharides and, 93
protein glycosylation and, 66-68
structure of, 123-26
Glycosyltransferases
membrane partitioning during cell division and, 327, 333
Golgi apparatus
CD45 protein and, 115
glycosyl phosphatidylinositol anchors and, 133
membrane partitioning during cell division and, 325, 327-29, 332-44
gp63 surface protease
glycosyl phosphatidylinositol anchors and, 123-25
gp80^{LNGFR} protein
receptor tyrosine kinases and, 469-70
gp210
nucleocytoplasmic transport and, 243
G proteins
lysophosphatidic acid and, 502
membrane partitioning during cell division and, 331, 333
neurotrophin receptors and, 824, 830
protein tyrosine phosphatases and, 116
small-molecular-weight, 462
G-quartet
RNA structure and, 269
GR-116624X
crystal structure of, 578
HIV-1 protease and, 558, 578
Gramicidin D
multidrug resistance and, 416
P-glycoprotein and, 387
grb2 gene
Ras activity and, 880
receptor tyrosine kinases and, 459, 462
GroEL-bound proteins
folding of, 367-68
GroEL/ES
protein folding and, 365-71
Growth factors
membrane-anchored, 515-37
receptors of
receptor tyrosine kinases and, 454-75
grpE gene
molecular chaperones and, 360
GTPase-activating protein (GAP)
nerve growth factor receptors and, 843
NF-1 gene and, 645-46
photochemical labeling and, 510
Ras activity and, 854, 861, 865, 868-73, 875, 879-82
signal transduction and, 454-62, 464, 467-69
GTPγS
membrane partitioning during cell division and, 337
Guanidine HCl
pathways of protein folding and, 664-69, 676
Guanidine thiocyanate
protein folding and, 658
Guanine nucleotide binding proteins
Ras activity and, 852, 861, 864-82
Guanine nucleotide releasing proteins (GNRPs)
receptor tyrosine kinases and, 461-62
Guanine-thymine mismatch structure
base-pairing free energies and, 687
Guanosine cofactor
mobile introns and, 590
Guanosine triphosphate (GTP)
membrane partitioning during cell division and, 338
microtubule-associated motors and, 436, 440
molecular chaperones and, 373
multidrug resistance and, 408, 410
photochemical labeling and, 507

H

H2B protein
nucleocytoplasmic transport and, 233, 236, 239-40
Hairpin
RNA structure and, 256-57, 260, 262, 269-70, 277-78
"Half-the-sites reactivity" model for GroEL action, 369
Haloperidol
HIV-1 protease and, 575
Hammerhead catalytic RNA
secondary structures of, 258
[^{3}H]DiPETPD
chemical structure of, 492
photochemical labeling and, 493, 501
Heat shock proteins
MDR1 RNA and, 400
molecular chaperones and, 350-79
nucleocytoplasmic transport and, 222, 225, 243, 248
protein tyrosine phosphatases and, 107
Heat-shock transcription factor (HSF)
molecular chaperones and, 363
HeLa cells
membrane partitioning during cell division and, 328
protein tyrosine phosphatases and, 110
tumor suppressor genes and, 624
Helicity
molecular chaperones and, 366
protein stability and, 150-58
RNA structure and, 269, 279
Hemagglutinin
pathways of protein folding and, 675
photochemical labeling and, 493-95, 497, 500-2
Hematopoietic cells
CD45 protein and, 108, 114
protein tyrosine phosphatases and, 116
hem C promoter
CRP protein and, 781
Hemophilia
human gene therapy and, 193, 195
Hemophilus parainfluenze
polyamines and, 13
Heparin
receptor tyrosine kinases and, 463
Heparin-binding EGF-like growth factor (HB-EGF)
membrane-anchored growth factors and, 521-22
Hepatitis B virus (HBV)
cancer and, 196
p53 gene and, 638
Hepatocyte growth factor (HGF) receptor
receptor tyrosine kinases and, 468-69
Hepatocytes
human gene therapy and, 193, 205-6
Her2 protein
receptor tyrosine kinases and, 463
Heregulin
membrane-anchored growth factors and, 522-23
Herpes simplex virus (HSV)
DNA unwinding element and, 33
human gene therapy and, 199
origin recognition element and, 34
Herpesviruses
human gene therapy and, 199
Heterogenous nuclear ribonucleoproteins (hnRNPs)
arrangement of proteins and RNA in hnRNP complexes
differential association of hnRNP proteins with nascent hnRNAs, 311
general structure of hnRNP complexes, 312-13
hnRNP complexes are dynamic structures, 311-12
hnRNP complexes isolated from nuclei, 308-10
in vitro assembly of

hnRNP complexes, 310-11
definition and experimental criteria, 291-292
functions in pre-RNA processing, 312, 314-16
human, 292-97
introduction to, 290-91
nonhuman, 297-98
nuclear location of hnRNP proteins, 305-6
posttranslational modifications, 298
Ras activity and, 880
recently discovered functions of, 316
RNA-binding activity of, 298-300
shuttling of hRNP proteins between nucleus and cytoplasm, 306-7
signals and mechanisms for localization of hnRNP proteins, 307-8
structure of
auxiliary domains, 304-5
RGG box, 303-4
RNA-binding domains, 304
RNP motif, 300-3
Hexokinase
molecular chaperones and, 358
Hexoses
fast atom bombardment and, 81-82
High-performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD)
fractionation of oligosaccharide mixtures and, 73
protein glycosylation and, 72
High-performance liquid chromatography (HPLC)
fractionation of oligosaccharide mixtures and, 73
photochemical labeling and, 496, 504-5
High-performance liquid chromatography coupled to fast-atom-bombardment mass-spectroscopy (HPLC/FAB-MS)
glycosylation sites and, 68, 70
Hippocampus
protein tyrosine phosphatases and, 115
Histamine
membrane partitioning during cell division and, 333
Histidine
aminoacyl-tRNA synthetases and, 717, 741-42
CRP protein and, 772-74, 779, 782
HIV-1 protease and, 553, 563
oxidation of, 802, 810-14, 816, 818
protein stability and, 140-41, 155
protein tyrosine phosphatases and, 111
Ras proteins and, 865
ribonuclease A and, 656
Histidine decarboxylases (HisDCase)
history of, 21, 23-24
sequence and structure of, 24
Histidine permease
multidrug resistance and, 411
Histones
eukaryotic DNA replication and, 32
hnRNPs and, 290
molecular chaperones and, 350
nucleocytoplasmic transport and, 224-25, 233, 236, 239-40
replication forks and, 31-32, 49
Histrionicotoxin
photochemical labeling and, 496
HIV
see Human immunodeficiency virus
HIV reverse transcriptase
DNA polymerase mechanisms and, 690, 709-10
HIV-1
see Human immunodeficiency virus type 1
HIV-1 protease
inhibitor complexes of, 558-59
common structural features, 559, 561
subsites and subsite-inhibitor interactions, 561-65
transition-state inhibitor complexes, 566-73
introduction to, 544
screening and serendipity, 577-78
structure of, 545-46
description of molecule, 546-49
substrate specificity and, 554-55
symmetry of enzyme and its crystallographic manifestation, 548-54
structure-based inhibitor design and, 573-77
subsite/inhibitor contacts and, 579-81
substrate-analog inhibitor design and, 555-58
chemical structures of peptidomimetic inhibitors, 557
chemical structures of symmetry-based inhibitors, 558
noncleavable transition-state isosteres, 556
symmetry in inhibitor design and, 579
HLA-A2 protein
molecular chaperones and, 358
HMG-CoA reductase
Ras activity and, 864
H-NS protein
CRP protein and, 779
HO endonuclease
nuclear protein localization mutants and, 241-42
HOHAHA-HMQC
nuclear magnetic resonance and, 273
Holliday junctions
mobile introns and, 602
Homing
group I intron, 602-3, 617
Homocyclic aromatic compounds
degradation of, 18
Horizontal transmission
mobile introns and, 616-17
Hormones
P-glycoprotein and, 387
H protein
mRNA biogenesis and, 297
HPTPase domains
protein tyrosine phosphatases and, 108-9
[^{3}H]PTPC/8-2
chemical structure of, 492
photochemical labeling and, 493-94, 499-500
[^{3}H]PTPC/11
photochemical labeling and, 492-94, 495, 501-2
hsp60 chaperones
characterization of, 352
protein folding and, 364-371
hsp70 chaperones
characterization of, 351
DnaK and DnaJ as chaperone team, 360-61
maintenance of translocation-competent state of precursor proteins, 359-60
in membrane translocation and folding, 361-62
metabolic stress and, 362-63
organellar, 361-62
protein degradation and, 363-64
structure and function of, 357-58
hsp90 chaperones
characterization of, 353
protein function and, 374-75
hst oncogene
fibroblast growth factors and, 471
HTLA 230 cells
nerve growth factor receptors and, 833
[^{3}H]TUA/8-2
chemical structure of, 492
photochemical labeling and, 499, 501
[^{3}H]TUA/11
chemical structure of, 492
Human gene therapy
candidate diseases
acquired genetic diseases, 196-97
classic genetic diseases, 192-95
complex genetic diseases, 195-96
future directions in, 212

gene marking and gene therapy transfer clinical protocols, 194-95
gene-marking clinical protocols, 202-3
marking of bone marrow cells, 205
marking of cytotoxic lymphocytes, 205-6
marking of hepatocytes, 205-6
marking of tumor-infiltrating lymphocytes, 203-4
gene therapy clinical protocols
adenosine deaminase deficiency, 206-8
cancer, 208-9
hypercholesterolemia, 209-10
gene transfer systems
nonviral transfer methods, 197-99
viral vectors, 199-202
introduction to, 191-92
safety and ethics, 210-12
Human immunodeficiency virus (HIV)
human gene therapy and, 196-97, 206
Tat protein and, 919-23
Human immunodeficiency virus type 1 (HIV-1)
Rev protein and, 263
Human papillomaviruses (HPVs)
tumor suppressor genes and, 629, 631-35, 642-43
hut promoter
CRP protein and, 779, 781-82
Hybrid-type structures
protein glycosylation and, 69, 71
Hydrazine
protein glycosylation and, 72-73
RNA structure and, 267
Hydrodynamic studies
pathways of protein folding and, 670-71
Hydrogen-bonding networks
stable
pathways of protein folding and, 666-67
Hydrogen sulfide
riboflavin and, 6
Hydrolytic enzymes
glycosyl phosphatidylinositol anchors and, 122
Hydrophobic cavities
water molecules and, 146
Hydrophobic chromophore
fast atom bombardment and, 81
Hydrophobic photolabeling
integral proteins and, 496-500
membranes and, 494-96
Hydrophobic stabilization
proteins and, 142-46
"Hydrophobic vacuum cleaner" model
multidrug resistance and, 416-17
Hydroxyethylamine-containing inhibitors
HIV-1 protease and, 556, 569-70, 572
Hydroxyethylene-containing inhibitors
HIV-1 protease and, 556, 566-69
Hydroxylamine
RNase P RNA and, 259
Hydroxylysine
protein glycosylation and, 66
Hydroxymethyltransferase
tetrahydrofolate-dependent pantothenate and, 17
Hydroxyproline
protein glycosylation and, 66
Hyperammonemia
human gene therapy and, 193
Hypercholesterolemia
familial
human gene therapy and, 193-94, 209-10
Hyperchromicity
RNA structure and, 261
Hypertension
human gene therapy and, 195
Hypochromicity
RNA structure and, 261-63

I

ICP8 protein
nucleocytoplasmic transport and, 234
UL9 helicase activity and, 34
IgC_H gene cluster
eukaryotic DNA replication and, 47
IHF protein
CRP protein and, 776, 779, 788
Iminothiolane
RNA structure and, 267
Immunoglobulin-like domains
receptor tyrosine kinases and, 455, 469, 472-73
Immunophilins
molecular chaperones and, 374-75
Immunosuppressants
P-glycoprotein and, 387
In-beam electron impact ionization
oligosaccharides and, 79
Inchworm model
of transcript elongation, 897-99
Indole
tryptophanase and, 20
Induced-fit selectivity
DNA polymerase mechanisms and, 700-1
Influenza virus
pathways of protein folding and, 675
photochemical labeling and, 493-95, 497, 500
In-gel renaturation
mdr genes and, 389
Initial complex
RNA polymerase II, 163, 165-70
Initiation complex
activity of, 40-42
assembly of, 39-40
Initiation zone
broad
replication fork initiation within, 48-49
replication structures throughout, 44, 46
metazoan, 50-57
Inositol
glycosyl phosphatidylinositol anchors and, 125-26, 129, 131-34
Insects
glycosyl phosphatidylinositol anchors and, 124, 130
Insulin
nerve growth factor and, 825
protein tyrosine phosphatases and, 113, 115
Ras activity and, 880
receptor tyrosine kinases and, 461, 464-66
Insulin-like growth factor 1 (IGF-1)
receptor tyrosine kinases and, 464-65
Insulin-like growth factor 2 (IGF-2)
receptor tyrosine kinases and, 464
int-2 oncogene
fibroblast growth factors and, 471
Integral proteins
hydrophobic photolabeling of, 496-500
Interchromatin granules
snRNPs and, 306
Interferon α (IFN-α) signalling pathway
tyrosine-phosphorylated transcription factors and, 105, 115-16
Internal loop
RNA structure and, 256-57, 260, 262, 278
Internal proofreading
DNA polymerase mechanisms and, 708
Interphase cells
fragmentation in, 336
Intestine
P-glycoprotein and, 399
Intramolecular chaperoning
protein folding and, 356
Introns
acquisition or loss of, 601
cDNA intermediate, 604-5
group I intron homing by double-strand break repair, 602-3
loss of, 607-8
reverse splicing, 604-7
autonomous introns and intronlike elements
α-senDNA, 608

autonomous group II intron, 608
mitochondrial plasmids of *Neurospora*, 608-10
evolution of
acquisition of group II intron ORFs, 613-14
early and late introns, 610-12
horizontal transmission, 616-17
ORF acquisition and evolution of group I intron mobility, 612-13
regulation of intron mobility, 614-15
group I, 588-90, 592-94, 602-5, 607-17
group II, 589-92, 594, 600, 604-9, 611-14, 616-17
group III, 591
introduction to, 588
mobility of
intron distribution, 592-94
intron-encoded proteins, 594-601
secondary structures of, 258
structure and splicing pathway of
archaeal introns, 589, 592
group I introns, 258, 588-90
group II introns, 258, 589-92
Iodinated naphthalene azide (INA)
multidrug resistance and, 416
Iodoacetate
protein tyrosine phosphatases and, 111
Iodomycin
multidrug resistance and, 407
5-[^{125}I]Iodonaphthyl-1-azide
chemical structure of, 492
photosensitized labeling and, 490-91, 494-502, 509
Ionization methods
oligosaccharides and, 79-80
Ionizing radiation
amino acid oxidation and, 798-801, 808-12
Ionomycin
protein tyrosine phosphatases and, 114
I protein
mRNA biogenesis and, 295-96
IRA series proteins
Ras activity and, 869-81
tumor suppressor genes and, 645
Iron
transamination and, 15
IRS-1 protein
receptor tyrosine kinases and, 465-66
ISGF3 transcription complex
protein tyrosine phosphatases and, 116
Isoleucine
aminoacyl-tRNA synthetases and, 717
HIV-1 protease and, 550, 553, 560-61, 563
nucleocytoplasmic transport and, 235
pathways of protein folding and, 669
photochemical labeling and, 498, 501
protein stability and, 141, 143, 145-46
[^{125}I]TIDM-3
photochemical labeling and, 509
structure of, 509
[^{125}I]TIDPC
chemical structure of, 492
photochemical labeling and, 494

J

J-coupling
nuclear magnetic resonance and, 75
RNA structure and, 268, 270-71, 273-75
Jesuit model
for replication of metazoan chromosomes, 52-53
JG-365
HIV-1 protease and, 552, 557, 562-65, 569-70
torsion angle of, 549, 550, 571
Juxtacrine stimulation
membrane-anchored growth factors and, 528-29

K

K^+
Ras activity and, 871
K-252a
nerve growth factor receptors and, 842-43
K562 myeloid leukemia cells
*MDR*1 genes and, 403
protein tyrosine phosphatases and, 115
Kaposi's sarcoma
fibroblast growth factor in, 471
Karplus relation
nuclear magnetic resonance and, 270, 274
Kar series proteins
molecular chaperones and, 362
nucleocytoplasmic transport and, 227-28, 243
properties of, 435
Karyogamy
kinesins and, 441
nucleocytoplasmic transport and, 227-28
KB-V1 cells
P-glycoprotein and, 411
KDEL peptide
molecular chaperones and, 358
Kemptide
photochemical labeling and, 504
Keratinocyte growth factor (KGF)
receptor tyrosine kinases and, 471-72
Keratinocytes
gene transfer and, 193
Kethoxal
nucleic acid structure determination and, 266
β-Ketoadipate pathway
homocyclic aromatic compounds and, 18
α-Ketoglutarate
oxidation of, 5
transamination and, 9
α-Ketoisovalerate
pantothenate and, 17-18
Ketopantoate
pantothenate and, 18
KFERQ motif
molecular chaperones and, 363
KHC protein
properties of, 435
Kidney
cancer
*MDR*1 RNA and, 401
nerve growth factor receptors and, 840
P-glycoprotein and, 399
Kinectin
microtubule-associated motors and, 439
Kinesins
identification and structure of, 433-36
in vivo functions of, 440-43
mechanochemistry and force generation of, 436-40
nucleocytoplasmic transport and, 227
superfamily of, 434
Kinetic control
pathways of protein folding and, 674-77
Kip series proteins
properties of, 435
Kit ligand
membrane-anchored growth factors and, 525
K/J protein
mRNA biogenesis and, 296
Klebsiella planticola
histidine decarboxylase and, 24
Klebsiella pneumoniae
CRP protein and, 776
Klebsiella spp.
CRP protein and, 779
Klenow fragment
DNA polymerase I and, 689-91
KL ligand
membrane-anchored growth factors and, 525
Kluyveromyces lactis
mobile introns and, 594, 600, 606, 615-16
Kreb's cycle
lactic acid bacteria and, 5
K*rev*-1 gene
Ras activity and, 868, 870
KRP series proteins
properties of, 435

Kynostatin
HIV-1 protease and, 578

L

L3 ribosomal protein
nuclear localization sequences and, 233, 235-36
L6 myoblasts
receptor tyrosine kinases and, 473
L11 ribosomal protein
RNA structure and, 267
L25 ribosomal protein
nuclear localization sequences and, 233, 235
L29 ribosomal protein
nuclear localization sequences and, 233, 235
L-689,502
crystal structure of, 568
HIV-1 protease and, 552, 557, 562-63, 565-67
torsion angle of, 550, 571
L-700,417
crystal structure of, 574
HIV-1 protease and, 558, 562-63, 565, 574, 580
torsion angle of, 550
lac promoter
CRP protein and, 752, 754, 758, 763-74, 780-81, 784
α-Lactalbumin
molecular chaperones and, 358
pathways of protein folding and, 655-56, 662, 664-65, 669-72
β-Lactoglobulin
pathways of protein folding and, 660
β-Lactamase
molecular chaperones and, 366
Lactic acid bacteria
history of, 3-5, 7-8, 12, 14
Lactobacillus buchneri
histidine decarboxylase and, 21
Lactobacillus bulgaricus
end factor, 12
pantetheine/pantethine and, 12
Lactobacillus casei
D-alanine and, 10
biotin and, 7
folic acid and, 8
riboflavin and, 5-6
Lactobacillus delbrueckii
growth requirements of, 4
Lactobacillus plantarum
biotin and, 7
pyridoxine and, 7
Lactobacillus spp.
histidine decarboxylase and, 21, 23-24
Lactose
milk bacteria and, 12
Lactosylceramide
membrane partitioning during cell division and, 332
lP protein
molecular chaperones and, 361
Lamins
DNA replication and, 55
membrane partitioning during cell division and, 326, 334, 338
nucleocytoplasmic transport and, 223-25, 229
LAN-1 cells
nerve growth factor receptors and, 841
LAN-5 cells
nerve growth factor receptors and, 841
La protease
molecular chaperones and, 364
Laser desorption mass spectrometry (LD-MS)
protein glycosylation and, 72
LCA-related molecule (LAR)
protein tyrosine phosphatases and, 109-13
Lead acetate
riboflavin and, 6
Lectin-affinity chromatography
fractionation of oligosaccharide mixtures and, 73-74
Leishmania donovanii
multidrug resistance and, 394
Leishmania major
glycoinositolphospholipids and, 77
Leishmania spp.
glycoinositolphospholipids and, 122
gp63 surface protease and, 123-25
lipophosphoglycan and, 122
Leishmania tarantolae
multidrug resistance and, 394
Lesch-Nyhan disease
human gene therapy and, 195
let-23 gene
receptor tyrosine kinases and, 456, 462
let-60 gene
receptor tyrosine kinases and, 456, 462
Leucine
aminoacyl-tRNA synthetases and, 717
CRP protein and, 772, 774
HIV-1 protease and, 550, 554, 562, 564, 572, 580
oxidation of, 801-3, 805, 810
pathways of protein folding and, 657, 669
photochemical labeling and, 498-99, 501
protein stability and, 141, 143-45, 155
Ras proteins and, 863, 881
zippers
seryl-tRNA synthetase and, 722
Leukemia
human gene therapy and, 194, 205
MDR1 RNA and, 401
nerve growth factor receptor gene and, 831
protein tyrosine phosphatases and, 116
tumor suppressor genes and, 625, 628, 632, 638
Leukocyte adhesion deficiency
human gene therapy and, 193
Leukocyte common antigen (LCA)
protein tyrosine phosphatases and, 108, 111
LexA protein
nucleocytoplasmic transport and, 235
Li-Fraumeni syndrome
tumor suppressor genes and, 639
Ligand-binding studies
pathways of protein folding and, 669-70
Light
intense
riboflavin and, 6
Light strand promoter
transcription factor facilitation of origin activity and, 38
lin-3 gene
membrane-anchored growth factors and, 523
receptor tyrosine kinases and, 456, 463
Linear free energy relations
aminoacyl-tRNA synthetases and, 728-29
Linkage analysis
monosaccharides and, 77-80
Linker/adapter proteins
receptor tyrosine kinases and, 459, 464, 475
Lipids
multidrug resistance and, 414, 418
P-glycoprotein and, 410-12
Lipoate
history of, 5
Lipoic acid
history of, 4
Lipopeptidophosphoglycan
glycosyl phosphatidylinositol anchors and, 122
Lipophilic cations
P-glycoprotein and, 387
Lipophosphoglycan
glycosyl phosphatidylinositol anchors and, 122
Lipopolysaccharide (LPS)
protein tyrosine phosphatases and, 115
Liposarcoma
tumor suppressor genes and, 643
Liposome-mediated gene transfer
human gene therapy and, 197-99, 208-9
Liquid phase sequencing
photochemical labeling and, 497
Lithium aluminum hydride
protein glycosylation and, 72
Liver
carcinoma
tumor suppressor genes and, 638
human gene therapy and, 194, 205-6

P-glycoprotein and, 399
receptor-mediated gene transfer and, 198
riboflavin and, 5
LNFPIII oligosaccharide
NMR spectra of, 78
LNGFR protein
receptor tyrosine kinases and, 469-70
Loop E
RNA structure and, 269
Looping-back
photochemical labeling and, 499
Loss of heterozygosity (LOH)
tumor suppressor genes and, 625
L protein
hnRNP complexes and, 294
mRNA biogenesis and, 296
Luciferase
firefly
molecular chaperones and, 363, 371, 373, 378
Lung cancer
human gene therapy and, 195
*MDR*1 RNA and, 401
protein tyrosine phosphatases and, 116
tumor suppressor genes and, 625, 632-33, 638-39
lux regulon
indirect activation and, 779
Lymphatic carcinoma
tumor suppressor genes and, 638
Lymphocytes
gene transfer and, 193
Lymphocytic lymphoma
tumor suppressor genes and, 639
Lymphoid antigens
glycosyl phosphatidylinositol anchors and, 122-23, 125, 128, 134
Lymphoma
human gene therapy and, 194, 206
*MDR*1 RNA and, 401
nerve growth factor receptors and, 840
Lysine
acid-unfolded proteins and, 656
aminoacyl-tRNA synthetases and, 717
CRP protein and, 756, 775, 784-85
decarboxylation and, 24
multidrug resistance and, 405
nucleocytoplasmic transport and, 235-36
oxidation of, 803, 810-11, 813-15, 818
photochemical labeling and, 503, 506-7, 510
protein stability and, 141, 147, 149-50, 152, 155
Ras proteins and, 864-65
receptor tyrosine kinases and, 463
TATA box-binding protein and, 165
Lysophosphatidic acid
as photo-affinity probe, 502
Lysosomes
membrane partitioning during cell division and, 329
Lysozyme
pathways of protein folding and, 656, 660-61, 663-64, 667, 673
α-Lytic protease
intramolecular chaperoning and, 356

M

Macrophage colony-stimulating factor 1 (MCSF-1)
receptors
receptor tyrosine kinases and, 467-68
Major groove triple
RNA structure and, 269
Major histocompatibility complex (MHC)
HLA-A2 protein and, 358
Malignant melanoma
human gene therapy and, 194-95
Malonic semialdehyde
pantothenate and, 18
mal regulon
CRP protein and, 765-66, 772, 776-77
Maltaheptaose
fast atom bombardment and, 81
Maltose permease
multidrug resistance and, 411
Manα1-2Manα1-6Manα1-4GlcN
glycosyl phosphatidylinositol anchors and, 123
Manα(1-3)Manα(1-6)Manβ(1-4)GlcNAc
protein glycosylation and, 71
Mannose
glycosyl phosphatidylinositol anchors and, 124-25, 129- 32
Mannosidase
oligosaccharide structural analysis and, 88-89
MAP kinase kinase (MAPKK)
Ras activity and, 882
receptor tyrosine kinases and, 470
MAP kinases
nerve growth factor receptors and, 842-43
Ras activity and, 882-83
signal transduction and, 454
Marchantia polymorpha
mobile introns and, 600
Marine sponges
multidrug resistance and, 394
MAS5 gene
nucleocytoplasmic transport and, 225
MAS5/YDJ1 gene
molecular chaperones and, 361
Mass spectrometry
oligosaccharides and
chemical ionization, 80
electron impact techniques, 79-80
electrospray mass spectroscopy, 84-85
fast atom bombardment mass spectra, 80-82, 86
future trends in, 86
matrix-assisted laser desorption, 82-84
MS/MS techniques, 85-86
Matα2 protein
nuclear localization sequences and, 233-34
Matrix-assisted laser desorption mass spectrometry (MALD/MS)
oligosaccharides and, 82-84
protein glycosylation and, 72
Maturases
mobile introns and, 594-95, 607
Maturation-promoting factor (MPF)
protein tyrosine phosphatases and, 106-7, 115
Mauriceville plasmid
mobile introns and, 608-10
MCF-7 cells
multidrug resistance and, 409
MCIXC cells
nerve growth factor receptors and, 840
Mcm1 protein
nucleocytoplasmic transport and, 238-39
mdm-2 protein
tumor suppressor genes and, 642-43
mdr genes
cloning and sequence analysis of, 389-93
regulation of expression of, 397
superfamily of *mdr*-related transporters, 393- 95
vectors using *mdr*1 cDNA as selectable marker, 395-96
Medulloblastoma
nerve growth factor receptors and, 833, 841
Meiosis
microtubule-associated motors and, 442
Melanoma
neurotrophin receptors and, 825-27, 837, 840
NF1 gene and, 874
tumor suppressor genes and, 624-25
melR promoter
CRP protein and, 767-68, 784
Membrane-anchored growth factors
biological roles of, 527-30
cell-cell contacts and, 528
endocytosis and, 530
introduction to, 515-16
juxtacrine stimulation and, 528-29

as receptors, 529-31
release of, 530-31
alternative splicing of cleavage regions, 533-34
cellular location and specificity of cleavage process, 531-33
determinants of cleavage, 536-37
regulation of cleavage, 534-36
soluble forms and, 529
structure and biology of, 516-27
Membrane partitioning
future research on, 343-44
introduction to, 323-24
mechanism for, 333-35
fragmentation in interphase cells, 336
fragmentation of nuclear envelope and Golgi apparatus, 334-36
microtubules in membrane partitioning, 339
reassembly of Golgi apparatus and nuclear envelope, 338-39
vesiculation of Golgi apparatus and nuclear envelope, 336-337
membrane traffic and
endocytosis, 329-31
exocytosis, 331-33
membrane functions, 333
morphological changes and, 324-26
Golgi apparatus, 325, 327-29
nuclear envelope and rough endoplasmic reticulum, 325- 27
organelles, 329
partitioning accuracy and
budding yeast, 342-43
cleavage furrow positioning, 342
physiological need for partitioning, 343
strategies, 339-42
Membrane proteins
topology of, 493, 501
Membranes
photolabeling of apolar core of
design and properties of reagents, 491-94
hydrophobic photolabeling of, 494-500
introduction to, 490-91
photo-activatable phospholipids as photo-affinity probes, 502-3
recent applications, 500-2
Mendelian inheritance
classic genetic diseases and, 192
Meningioma
nerve growth factor receptors and, 840
tumor suppressor genes and, 625
β-Mercaptoethylamine
pantothenate and, 12
Messenger RNA (mRNA)
adenovirus E1A protein, 630
APC gene, 646
biogenesis of, 290-16
c-fos, 833
crp, 781
DCC gene, 647
dPTP61F, 104-5
hnRNP proteins and, 290-316
mdm-2 gene, 643
*mdr*1, 389-90, 397
membrane partitioning during cell division and, 333
miniPLAP, 128
nerve growth factor, 839
nuclear
introns and, 590-91, 611-12
nucleocytoplasmic transport and, 222-44
p53 gene, 636
p75, 839, 841
photochemical labeling and, 507
protein tyrosine phosphatase, 114
Ras, 855, 860
STEP cytosolic phosphatase, 114
trk, 833-34, 839
WT-1 gene, 644
Metabolic stress
hsp70 chaperones and, 362-63
Metal ion-catalyzed oxidation of amino acids, 801-8, 812-19
Metazoan chromosomes
initiation zone in, 50-57
Methidiumpropyl-EDTA-Fe^{2+}
nucleic acid structure determination and, 266
Methionine
aminoacyl-tRNA synthetases and, 717, 733-34, 740
CRP protein and, 785
HIV-1 protease and, 554
hnRNPs and, 304
multidrug resistance and, 405
nucleocytoplasmic transport and, 236
oxidation of, 802, 810, 813
photochemical labeling and, 498, 501, 504
protein stability and, 141, 143, 147, 155
receptor tyrosine kinases and, 458
Methotrexate
pathways of protein folding and, 666, 668, 677
Methyl ethers
chemical ionization and, 80
Methylation analysis
oligosaccharides and, 80, 86
Mevalonic acid
lactic acid bacteria and, 14
Mg^{2+}
microtubule-associated motors and, 436-37, 440, 445
molecular chaperones and, 363, 365-68, 371, 373, 376, 378
photochemical labeling and, 506
Ras activity and, 866
MIA PaCa-2 pancreatic cancer cell line
protein tyrosine phosphatases and, 116
Microbubbles
initiation zones and, 46, 51
Micrococcal nuclease
eukaryotic DNA replication and, 49
Microheterogeneity
N-glycosylation site, 67
Microinjection
human gene therapy and, 197
Microsomes
glycosyl phosphatidylinositol anchors and, 129
microtubule-associated motors and, 439
molecular chaperones and, 359
Microtubule-associated motors
assays for motor activity, 431-33
characteristics of, 431
dynein and, 443-47
future research on, 447
introduction to, 429-30
kinesins and, 433-43
latest research on, 447-48
microtubules, 430-31
Microtubule-associated protein 2 (MAP-2)
nerve growth factor receptors and, 842
Microtubules
characterization of, 430-31
membrane partitioning during cell division and, 339
molecular chaperones and, 372
mif4 mutant
molecular chaperones and, 365
Milk
bacteria and, 12
Mimosine
synchronization of cells in G1 and, 46
MiniPLAP
glycosyl phosphatidylinositol anchors and, 128-29
Mink cell focus forming (MCF)-like virus
lymphoma and, 211
Mithramycin
P-glycoprotein and, 387
Mitochondria
membrane partitioning during cell division and, 329, 342-43
molecular chaperones and, 356, 359-62, 364-65, 367, 369, 371, 375-76
protein folding and, 356
Mitochondrial DNA (mtDNA)
DNA unwinding element and, 37
mobile introns and, 606-7, 613, 616
origin of bidirectional replication and, 31

transcription factor facilitation of origin activity and, 38
Mitochondrial plasmids
of *Neurospora*, 608-10
Mitochondrial RNA (mtRNA) polymerase protein
activation of eukaryotic origins of replication and, 34
Mitomycin C
P-glycoprotein and, 387
Mitosis
kinesins and, 441
membrane partitioning during cell division and, 324, 327-34, 336-40, 342-44
microtubule-associated motors and, 442, 446
MKLP-1 protein
properties of, 435
Mn(II)
amino acid oxidation and, 804
Molecular chaperones
chaperonin-like proteins in eukaryotic cytosol, 372-73
concept of, 350, 354
cooperation between chaperones in protein folding, 375-78
future research on, 378-79
hsp60 proteins
protein folding and, 364-71
hsp70 proteins
DnaK and DnaJ as chaperone team, 360-61
maintenance of translocation-competent state of precursor proteins, 359
in membrane translocation and folding, 361-62
metabolic stress and, 362-63
organellar, 361-62
protein degradation and, 363-64
structure and function of, 357-58
hsp90 proteins
protein function and, 374-75
perspectives on, 350-53
protein folding and folding potential, 356-57
in vitro and in vivo folding, 355-56
Molten globule model
proteins and, 355-56, 359, 376, 664-66, 669, 671, 679
Molybdate
protein tyrosine phosphatases and, 111
Monkey cell extracts
bidirectional replication and, 38
Monoclonal antibody (MAB) affinity chromatography
oligosaccharides and, 74
Monosaccharides
unusual and/or modified, 93-95
anionic modifications of monosaccharides, 94-95
furanose structures, 93
glycosylphosphatidylinositol anchors, 93
pyranose structures, 93
sialic acids, 92-93
uncommon monosaccharides and linkages, 92
Morganella morganii
histidine decarboxylase and, 24
M protein
mRNA biogenesis and, 297
MRK-16 monoclonal antibody
P-glycoprotein and, 397-98, 411
MS/MS techniques
oligosaccharides and, 85-86
MSS116 protein
mobile introns and, 592
Mucins
protein glycosylation and, 73
Mucopolysaccharidoses
human gene therapy and, 193
Multi-branched loops
RNA structure and, 256-57, 279
Multidrug resistance
clinical problem of, 386-89
clinical relevance of biochemical studies on multidrug transporter, 418-19
in vitro transport and ATPase activities, 409-12
*mdr*1 genes and, 389-403
mechanism of action, 412-18
P-glycoprotein and, 387-419
phenotype of, 386-89
structure-function studies
drug binding and photoaffinity labeling, 407-8
mutational analysis of P-glycoprotein, 403-7
posttranslational modifications, 408-9
Multiple myeloma
human gene therapy and, 194
*MDR*1 RNA and, 401
Muscle cells
gene transfer and, 193
Mutagenesis
intracellular signalling cascades and, 459-60
pathways of protein folding and, 667-69
MVT-101 peptidomimetic inhibitor
crystal structure of, 548, 553, 567
HIV-1 protease and, 552, 557, 561-64, 566, 579
torsion angle of, 549-50, 571
myc genes
mutations in, 628
Mycobacterium tuberculosis
mobile introns and, 599
Myelin basic protein (MBP)
nerve growth factor receptors and, 842
protein tyrosine phosphatases and, 109, 113
Myeloid leukemia
tumor suppressor genes and, 625
Myoblasts
nerve growth factor receptors and, 839
Myoglobin
molecular chaperones and, 366
Myosin
DNA polymerase mechanisms and, 698
microtubule-associated motors and, 437
Myristate
glycosyl phosphatidylinositol anchors and, 127, 133

N

NAD^+
pantothenate and, 18
NADH
pantothenate and, 18
NAD peptone medium
polyamines and, 13
NADPH
pathways of protein folding and, 677
nag promoter
CRP protein and, 779
Na,K-ATPase
photosuicide labeling reagents and, 490
N-antitermination complex
RNA polymerase and, 913-18
nar genes
FNR protein and, 786
NarL transcription factor
FNR protein and, 786
NCAM protein
DCC protein and, 647
ncd protein
properties of, 435
nck protein
receptor tyrosine kinases and, 459
Negative supercoiling
CRP protein and, 771
Nephritogenic glycopeptide moiety
glucose directly bonded to, 92
Nephroblastoma
tumor suppressor genes and, 629, 644
Nerve growth factor (NGF)
Ras activity and, 879
receptors for, 824-29
distribution and expression of, 837-41
functional characteristics of, 841-44
future research on, 844
high-molecular-weight receptor, 831-33
low-molecular-weight receptor, 827-30
models for biologically active receptor, 833-35
neurotrophins 3 through 5, 835-37
nuclear receptors, 837

signal transduction and, 843-44
tyrosine phosphorylation and, 841-43
receptor tyrosine kinases and, 461, 469-71, 474-75
neu differentiation factor (NDF)
membrane-anchored growth factors and, 522-23
receptor tyrosine kinases and, 463
neu/erbB ligand growth factor (NEL-GF)
receptor tyrosine kinases and, 463
Neural cell adhesion molecule (N-CAM)
protein tyrosine phosphatases and, 109
Neural networks
nuclear magnetic resonance and, 74
Neuroblastoma
human gene therapy and, 194, 205
*MDR*1 RNA and, 401
nerve growth factor receptors and, 833, 840-41
ras genes and, 855
tumor suppressor genes and, 624-25, 628
Neuroepithelioma
nerve growth factor receptors and, 840
Neurofibromatosis 1 (NF-1) gene
nerve growth factor receptors and, 831, 840-41
origin activity and, 34, 39, 41-42, 44
and protein, 629, 645-46
Ras activity and, 865, 867, 869, 871-74
receptor tyrosine kinases and, 461
Neurospora crassa
heat-shock proteins and, 352
mitochondrial plasmids of, 608
mobile introns and, 590, 594, 600, 616
Neurospora intermedia
mitochondrial plasmids of, 608
mobile introns and, 600, 610
Neurospora spp.
mitochondrial plasmids of, 608-10
mobile introns and, 596, 605, 612, 616-17
RNA polymerase II and, 162
Neurotrophins
receptors for, 824-44
receptor tyrosine kinases and, 469-71
NF3 transcription factor
origin activity and, 39, 41-42, 44
Nicotiana tabacum
mobile introns and, 600
Nicotinate
history of, 5
Nicotinic acid
pantothenic acid and, 5
Nicotinic receptor
photochemical labeling and, 490, 495-96
Niemann-Pick disease
human gene therapy and, 193
Nifedipine
P-glycoprotein and, 387
NIH3T3 cells
nerve growth factor receptors and, 831-34, 836
Ras activity and, 854-55, 867, 877-78
Ninhydrin
pantothenate and, 12
nir genes
FNR protein and, 786
Nitrenes
generators of, 486-89
photochemical labeling and, 498
Nitrogen
metabolism
YVH1 protein and, 107
Nitrogen mustard
RNA structure and, 267
N-linked oligosaccharides
release from glycoproteins and glycopeptides, 70-73
Nocodazole
membrane partitioning during cell division and, 336, 339
nod protein
properties of, 435
Non-Hodgkin's lymphoma
human gene therapy and, 206
*MDR*1 RNA and, 401
Nonpolar surfaces
pathways of protein folding and, 661-62, 665-66
Nonsmall-cell lung carcinoma
tumor suppressor genes and, 638
Nonviral transfer methods
human gene therapy and, 197-99
Nop1 protein
nucleocytoplasmic transport and, 226, 230, 238
Nopp140 protein
nucleocytoplasmic transport and, 222, 241
Norit eluate factor
history of, 6-8
Norleucine
HIV-1 protease and, 550, 562
Norstatine
HIV-1 protease inhibitors and, 556
Northern blot analysis
protein tyrosine phosphatases and, 114-15
Notophthalmus viridescens
hnRNPs and, 296
Npl3/Nop3 protein
nucleocytoplasmic transport and, 226
npl series mutants
nucleocytoplasmic transport and, 242-43
N protein
RNA polymerase and, 908-18
NR18 cells
nerve growth factor receptors and, 833
NSF protein
membrane partitioning during cell division and, 338
Nsp series proteins
nucleocytoplasmic transport and, 229-32, 240
Nsr1 protein
nucleocytoplasmic transport and, 226, 240-41
Nuclear envelope
membrane partitioning during cell division and, 326-27, 333-39, 343
mitosis in yeast and, 227-28
Nuclear localization sequences
heterologous, 237
nucleocytoplasmic transport and, 232-37
yeast proteins in binding of, 239-41
Nuclear magnetic resonance (NMR)
fingerprint matching and, 75-76, 92
heteronuclear, 271-75
hnRNPs and, 301-2
molecular chaperones and, 358, 366
oligosaccharides and, 74-79
pathways of protein folding and, 660-61
protein glycosylation and, 72
proton, 269-71
RNA structure and, 268-75
sequencing of oligosaccharide, 76
determination of anomericity, 77
determination of linkage, 77-79
SH2 domains and, 458
VSG protein and, 126
Nuclear organization
metazoan DNA replication and, 55-56
Nuclear Overhauser effect spectroscopy (NOESY)
linkage analysis and, 77
RNA structure and, 270, 273-74
Nuclear pore complexes
in yeast, 228-32
Nuclear protein localization mutants
nucleocytoplasmic transport and, 241-43
Nuclear scaffold
autonomously replicating sequences and, 56
Nucleases
protein folding and, 658-59
RNA structure and, 264-65
single-strand specific DNA unwinding element and, 35
Nucleocytoplasmic transport
yeast and, 219-48

Nucleolin
nucleocytoplasmic transport and, 222, 226
Nucleoplasmin
molecular chaperones and, 350
nucleocytoplasmic transport and, 237-39
Nucleoporins
nucleocytoplasmic transport and, 228, 230-32
Nucleoskeleton
DNA replication and, 55
Nucleosomes
eukaryotic DNA replication and, 32
5-Nucleotidase
phosphatidylinositol-specific phospholipase C and, 122
Nuf1 protein
nucleocytoplasmic transport and, 224
Nun protein
transcription and, 918-19
Nup series proteins
nucleocytoplasmic transport and, 230-32
nus factors
elongation complex and, 912, 914
NusG factor
Rho protein and, 906-7
nut site
RNA polymerase and, 911-12

O

OBF1 transcription factor
autonomously replicating sequences and, 38
replicating transcription factor origin activity and, 34, 50, 39
Octanol
protein stability and, 144
Oenothera berteriana
mobile introns and, 600
O-glycosylation
CD45 protein and, 108
Okazaki fragments
eukaryotic DNA replication and, 31, 45, 48-50
O-linked oligosaccharides
release from glycoproteins and glycopeptides, 70-73
Oleic acid
milk bacteria and, 12
Oligomannose-type structures
protein glycosylation and, 69, 71, 85
Oligosaccharides
fractionation of mixtures, 73
glycoprotein-associated, 65-95
isolated, 73, 75-95
structural analysis of, 73, 75-95
analysis of unusual and/or modified monosaccharides, 92-95
enzymatic analysis, 86-92
mass spectrometry, 79-86
nuclear magnetic resonance analysis, 74-79
sequencing of, 76-77
Oncogenes
DNA tumor virus, 629-32
function and regulation of, 852-84
neurotrophin receptors and, 824, 826, 831-33, 842-44
properties of, 627-29
protein tyrosine phosphatases and, 101-2, 116
Oocytes
protein tyrosine phosphatases and, 115
Open reading frames (ORFs)
mobile introns and, 612-14
Optical spectroscopy
RNA structure and, 260-64
Orange juice
putrescine and, 13
ORC protein
activation of eukaryotic origins of replication and, 34
ori core
initiation of transcription through, 38-39
Origin of bidirectional replication
Alu repeats and, 50
genetically defined origin and, 31-33, 44, 48-50, 52-54, 56
replication forks and, 48-49
schematic representation of, 32
Origin of replication
anatomy of, 33
basic components of, 32-38
proteins in activation of, 34
transcription factors and, 38-44
Origin recognition element (ORE)
in origin of replication, 33-35
Ornithine carbamoyltransferase
molecular chaperones and, 367
Ornithine decarboxylase
as PLP enzyme, 21
Orthovanadate
protein tyrosine phosphatases and, 111
Oryza sativa
mobile introns and, 600
Osmium tetroxide
nucleic acid structure determination and, 266
Osteosarcoma
tumor suppressor genes and, 626, 628-29, 632-33, 638-39, 643
Ovarian cancer
human gene therapy and, 194
*MDR*1 RNA and, 401
tumor suppressor genes and, 638
Oxaloacetate
transamination and, 9
Oxonium ion
fast atom bombardment and, 82
Oxygen-free radicals
amino acids and, 798-819

P

P2 glycolipid
glycosyl phosphatidylinositol anchors and, 126
P3 glycolipid
glycosyl phosphatidylinositol anchors and, 127
P19 embryonal carcinoma cell line
protein tyrosine phosphatases and, 115
p21 ras protein
nerve growth factor receptors and, 843-44
Ras activity and, 864-68, 870, 877-78
receptor tyrosine kinases and, 460-62
signal transduction and, 454
$p34^{cdc2}$
membrane partitioning during cell division and, 330, 334
$p34^{cdc2}$-like kinase
tumor suppressor genes and, 635-36
p53 gene
*MDR*1 promoter and, 401-2
and protein, 629-32, 636-37, 638-43
p62 protein
nucleocytoplasmic transport and, 228, 231-32
Ras activity and, 880
receptor tyrosine kinases and, 461
p65 protein
protein tyrosine phosphatases and, 107
$p75^{LNGFR}$ protein
receptor tyrosine kinases and, 469-70
p75 receptor
nerve growth factor and, 824-25, 827-28, 833-35, 837-39, 841
p107 protein
Rb-related, 635
p140 proteins
nerve growth factor and, 824, 827, 831-33, 835-38, 840- 43
neurotrophins and, 469-70
$p145^{trkC}$ proteins
neurotrophins and, 469-70
p190 protein
Ras activity and, 880
receptor tyrosine kinases and, 461
PAb246 monoclonal antibody
p53 protein and, 641
Palmitate
glycosyl phosphatidylinositol anchors and, 126
Palmitic acid
Ras activity and, 864
Palmitoylated protein
62-kDa
membrane partitioning during cell division and, 332

Pancreas
P-glycoprotein and, 399
Pantetheine
history of, 12
Pantethine
history of, 12
Pantoate
pantothenate and, 18
Pantothenate
degradation and synthesis of, 17-18
history of, 5
Paper electrophoresis
fractionation of oligosaccharide mixtures and, 73
Papovaviruses
human gene therapy and, 199
pap regulon
indirect activation and, 766, 779
Parallel analysis
oligosaccharides and, 91-92
Parasite coat proteins
glycosyl phosphatidylinositol anchors and, 122
Paroxysmal nocturnal hemoglobinuria
glycosyl phosphatidylinositol anchors and, 135
Parvalbumin
pathways of protein folding and, 660, 663, 670-71
Pausing
modulators of, 900-2
PC12 cells
nerve growth factor receptors and, 826-27, 832-33, 835-37, 840-44
ras genes and, 864, 879
receptor tyrosine kinases and, 461-71, 474-75
pdTp
protein folding and, 658
PEA3 element
Ras activity and, 883
Penicillin
HIV-1 protease and, 577
Pentafluorobenzyl-*p* aminobenzoate
chemical ionization and, 80
Pentafluorophenylazide
photolysis scheme of, 486
Pepsin
HIV-1 protease and, 545-46, 548
Pepstatin
HIV-1 protease and, 545, 552, 565
torsion angle of, 550, 571
Peptide bonds
HIV-1 protease inhibitors and, 556
Peptide-*N*-glycosidase F (PNGase F)
protein glycosylation and, 69-71
Peptides
bacterial growth and, 14
labeled
photochemical labeling and, 496
Peptone
alkali and, 5-6
polyamines and, 13
Peptone-glucose-salts medium
bacterial growth on, 4
pepT promoter
CRP protein and, 786
Peracetylation
oligosaccharides and, 79, 81
Perfluorophenylazides
photochemical labeling and, 487-88
Periodate
fast atom bombardment and, 82
oligosaccharides and, 74, 85
Peripherin
receptor tyrosine kinases and, 470
Peripheral nervous system (PNS)
nerve growth factor receptors and, 838
Permethylation
oligosaccharides and, 74, 79-82
Pertrimethylsilylation
oligosaccharides and, 79
Pertussis toxin
protein tyrosine phosphatases and, 116
PEST sequence
nerve growth factor receptors and, 830
P-glycoprotein
agents interacting with, 387
multidrug resistance and, 387-419
mutational analysis of, 403-7
pH
acid-unfolded proteins and, 656
receptor tyrosine kinases and, 463, 473
Phagocytosis
membrane partitioning during cell division and, 331
Phase-transfer labeling
photosuicide labeling reagents and, 490
2:1 1,10-Phenanthroline-Cu^{2+}
nucleic acid structure determination and, 266-67
Phenothiazines
P-glycoprotein and, 387
Phenotype
cell
receptor tyrosine kinases and, 454, 461, 463
Phenylalanine
aminoacyl-tRNA synthetases and, 717
HIV-1 protease and, 550, 554-55, 558, 562, 566-68, 570, 572-73
multidrug resistance and, 404
nucleocytoplasmic transport and, 231
oxidation of, 800, 814
pathways of protein folding and, 669
photochemical labeling and, 499, 501
protein stability and, 141, 143-45, 155
receptor tyrosine kinases and, 468, 473
Phenylarsine oxide
protein tyrosine phosphatases and, 112
Phenylnorstatine
HIV-1 protease and, 558
Phenylstatine
HIV-1 protease and, 550, 558
Phenylthiohydantoins
photochemical labeling and, 498, 501
Pheochromocytoma
*MDR*1 RNA and, 401
neurotrophin receptors and, 826-27, 832-33, 835-37, 840- 44
Phorbol esters
growth factor precursor cleavage and, 535
nerve growth factor receptors and, 843
protein tyrosine phosphatases and, 114-15
Ras activity and, 878-79, 882
Phosphatases
receptor tyrosine kinases and, 475
Phosphate
glycosyl phosphatidylinositol anchors and, 125
Phosphatidylcholine
as photo-affinity probe, 503
Phosphatidylethanolamine
multidrug resistance and, 414
Phosphatidylinositol
glycosyl phosphatidylinositol anchors and, 129
Phosphatidylinositol 3-kinase (PI3-kinase)
signal transduction and, 454-60, 464-69
Phosphatidylserine
decarboxylases for, 21
multidrug resistance and, 414
as photo-affinity probe, 503
Phosphinate
HIV-1 protease and, 556
Phosphoenol pyruvate
glucose phosphotransferase system and, 752-53
Phosphoenzyme
protein tyrosine phosphatases and, 111-12
Phosphoethanolamine
glycosyl phosphatidylinositol anchors and, 124, 129, 131-33
Phospholipase A_2
glycosyl phosphatidylinositol anchors and, 133-34
Phospholipase C
phosphatidylinositol-specific, 122, 126, 132
Phospholipase C-γ
signal transduction and, 454-60, 463, 467-70, 473
Phospholipase C-γ1
nerve growth factor receptors and, 842-43

Phospholipase D
glycosyl phosphatidylinositol anchors and, 126
Phospholipid-based reagents
photochemical labeling and, 493-95
Phospholipids
multidrug resistance and, 411
Phosphoribosylanthranilate isomerase
pathways of protein folding and, 668
Phosphorylase
transamination and, 20
Phosphorylation
nerve growth factor receptors and, 830, 832, 836, 841-43
Ras proteins and, 866
RNA polymerase II C-terminal domain and, 183-84
Phosphotyrosine
receptor tyrosine kinases and, 456-59
Phosphotyrosyl proteins
protein tyrosine phosphatases and, 103, 109
Photo-affinity probes
photo-activatable phospholipids as, 502-3
Photocrosslinking
site-specific, 503-5
Photolabeling
of apolar core of membranes, 490-503
future research on, 509-11
hydrophobic, 494-96
introduction to, 483-85
photolabile groups and reactive intermediates, 485-90
reagents for, 490
Photosuicide labeling reagents
target site-selective activation and, 489-90
Phylogeny
RNA structure and, 258-60
Physarum polycephalum
mobile introns and, 614-15
Physarum spp.
simple genomes and, 30, 32, 37
Piggybacking
hnRNP proteins and, 308
Pinus contorta
mobile introns and, 600
Pisum sativum
heat-shock proteins and, 351
Placental alkaline phosphatase (PLAP)
glycosyl phosphatidylinositol anchors and, 127-28
Plague
Yersinia pestis and, 105
Plasma membrane
glycosyl phosphatidylinositol anchors and, 122
Plasmids
autonomously replicating sequence and, 32
metazoan cells and, 54, 56
mitochondrial
of *Neurospora*, 608-10
simple genomes and, 30
Plasminogen activator inhibitor-1 (PAI-1)
pathways of protein folding and, 676
Platelet-derived growth factor (PDGF)
growth factor precursor cleavage and, 535
nerve growth factor receptors and, 834, 837
Ras activity and, 878-79
receptor tyrosine kinases and, 456-460, 466-68
plDNA
mobile introns and, 608
pNPP general phosphatase substrate
protein tyrosine phosphatases and, 106, 109, 111, 113
Podophyllotoxin
P-glycoprotein and, 387
Podospora anserina
mobile introns and, 594, 600, 607-8
Podospora spp.
mobile introns and, 599, 614, 616
Point mutations
DNA unwinding element and, 35
Polyamines
history of, 12-13
Polylysine
receptor-mediated gene transfer and, 198
Polymerase chain reaction (PCR)
eukaryotic DNA replication and, 47-48
kinesins and, 434
Polyomavirus (PyV)
auxiliary components and, 37-38
DNA unwinding element and, 33, 36-37
origin of bidirectional replication and, 31, 33, 44
origin recognition element and, 33-34, 44
transcription factor facilitation of origin activity and, 38-39, 42-43
Polypyrimidine-binding protein hnRNP I and, 296, 314-15
Potassium permanganate
nucleic acid structure determination and, 266
Potato extract
bacterial growth and, 4
Pox viruses
protein tyrosine phosphatases and, 105-6
receptor tyrosine kinases and, 463
PP2A
membrane partitioning during cell division and, 334
pp60$^{c\text{-}src}$
molecular chaperones and, 374
nerve growth factor receptors and, 844
signal transduction and, 454, 467
Pre-β-lactamase
molecular chaperones and, 371
Preinitiation complex
RNA polymerase II, 163
Pre-mRNA binding proteins
nucleocytoplasmic transport and, 222
Pre-mRNA processing
hnRNP proteins and, 312, 314-16
Prepro-α-factor
molecular chaperones and, 359
Preprolactin
photochemical labeling and, 507
Preterminal protein/Ad DNA polymerase complex (pTP-pol)
origins of replication and, 34, 39, 41-42
Primates
gene transfer and, 210-11
Procyclic acidic repetitive protein (PARP)
glycosyl phosphatidylinositol anchors and, 124, 127-28, 131, 133
Procyclin
glycosyl phosphatidylinositol anchors and, 124
Profilin-P gene
replication bubbles and, 32
Proflavin
fluorescence and, 264
Progesterone
molecular chaperones and, 374
multidrug resistance and, 398-99, 402-3
P-glycoprotein and, 387
protein tyrosine phosphatases and, 115
Ras activity and, 871
Prohistidine decarboxylase (pro-HisDCase)
activation of, 23
reaction pathway in conversion of single π chain of, 23
Prokaryotic cells
simple genomes and, 30
Proline
aminoacyl-tRNA synthetases and, 717
CRP protein and, 779, 782
HIV-1 protease and, 551-52, 555, 558, 562, 565, 570, 572, 580
hnRNPs and, 296
molecular chaperones and, 357, 363
multidrug resistance and, 404
nucleocytoplasmic transport and, 230
oxidation of, 802, 810, 812-13, 818
pathways of protein folding and, 667, 673
protein stability and, 141-42, 145-46, 152-53, 155

receptor tyrosine kinases and, 459, 464
tumor suppressor genes and, 634, 636-37
Prolyl isomerases
pathways of protein folding and, 677
proOmpA protein precursor
molecular chaperones and, 359
Propionic acid bacteria
history of, 3-4
Prostate carcinoma
tumor suppressor genes and, 632, 638
Proteases
pathways of protein folding and, 675-76
Protein assembly
chaperonins and, 365
Protein degradation
hsp70 chaperones and, 363-64
Protein folding pathways
final, rate-limiting steps in protein folding
hydrodynamic and temperature studies, 670-71
ligand-binding studies, 669-70
mutagenic analysis, 667-69
formation of structure in millisecond time range
nonpolar surfaces in folding, 661-62
relationship of transient intermediates to stable, partially folded conformations, 664-65
secondary structure by CD spectroscopy, 659-60
secondary structure by NMR spectroscopy, 660-61
stability of early folding intermediates, 662-64
general scheme for protein folding reactions, 679
initial state in folding reaction
acid-unfolded proteins, 656-57
chaotropic agents and, 657-59
thermally unfolded proteins, 655-56
intermediary folding events
nonpolar surfaces and, 665-66
stable hydrogen-bonding network formation and, 666-67
kinetic vs. thermodynamic control, 674-75
molecular chaperones and, 350-57, 361-62, 364-71, 375-78
perspective on, 654-55
relationships between folding intermediates and pathways
early folding reactions, 671-72
final folding reactions, 673-74
intermediary folding reactions, 672-73
three common stages of folding, 678-80
Protein kinase A (PKA)
protein tyrosine phosphatases and, 114
Protein kinase C (PKC)
multidrug resistance and, 408-9
nerve growth factor receptors and, 843
protein tyrosine phosphatases and, 114
Ras activity and, 878, 882
Protein kinases
protein tyrosine phosphatases and, 112
tumor suppressor genes and, 636
Protein phosphatase type 1
receptor tyrosine kinases and, 464
Proteins
activation of eukaryotic origins of replication and, 34
glycosylation of, 66-73
intron-encoded, 594-601
oxidation of, 798-819
Protein stability
context and, 140-42
electrostatics, 146
helix capping, 153-58
helix dipoles, 150-53
long-range electrostatic interactions, 147-48
salt bridges, 147, 149-50
folded state, 142
hydrophobic cavities and water molecules, 146
hydrophobic stabilization, 142-46
introduction to, 139-42
unfolded state, 142
Protein synthesis inhibitors
P-glycoprotein and, 387
Protein tyrosine phosphatases (PTPases)
biological role of, 114-16
domain:catalytic mechanism, 110-12
conserved domains, 112-13
phosphatase activity regulation, 113-14
proposed mechanisms for, 112
substrate specificity, 113
future research on, 117
introduction to, 101-2
structure and function of intracellular
cell cycle and, 106-8
intracellular localization, 102-5
pathogenesis and, 105-6
primary structures for, 103
structure and function of receptor-type PTPases
extracellular domain structure and function, 109-10
interactions between two phosphatase domains, 108-9
Protogen
history of, 4
Proton pump
multidrug resistance and, 413, 417
Proto-oncogenes
activation of, 627
properties of, 628
Protozoa
glycosyl phosphatidylinositol anchors and, 122
simple genomes and, 30, 32, 47
PS-1 phenylstatine inhibitor
HIV-1 protease and, 552, 565
structure of, 549
torsion angle of, 550
psaA gene
mobile introns and, 591
Pseudoknots
aminoacyl-tRNA synthetases and, 743-44
RNA structure and, 258-59, 263, 269, 279
Pseudomonads
pantothenate and, 17
vitamin B6 and, 18-19
Pseudomonas aeruginosa
CRP/FNR family and, 784
Pseudomonas sp.
vitamin B6 and, 19
Pseudopyridoxine
history of, 9
Psoralen
DNA crosslinks with, 47
RNA structure and, 267
Pulse-chase experiments
glycosyl phosphatidylinositol anchors and, 134
Purine bases
lactic acid bacteria and, 7
Norit eluate factor and, 7
Puromycin
molecular chaperones and, 363-64
P-glycoprotein and, 387
PUR protein
eukaryotic DNA replication and, 50
put promoter
CRP protein and, 779
Putrescine
activity of, 13
Putrescine amino transferase
CRP protein and, 754
Pyelonephritis-associated pili
CRP protein and, 779
pyp series genes
protein tyrosine phosphatases and, 107-8
Pyranose structures
analysis of, 79, 86, 93
Pyrene
RNA modified with, 263-64
Pyridethylation
protein glycosylation and, 70
Pyridoxal
amino acids and, 14-16
history of, 8-9, 11-12

Pyridoxal kinase
history of, 12
Pyridoxamine
history of, 8-9, 11-12
Pyridoxamine phosphate
history of, 11-12
Pyridoxamine-pyruvate transaminase
transamination and, 20
Pyridoxine
history of, 7-8, 17
Pyrodictium occultum
molecular chaperones and, 372
Pyrodictium spp.
heat-shock proteins and, 352
Pyrophosphate
aminoacyl-tRNA synthetases and, 731, 734-35
Pyrophosphorolysis
vs. pyrophosphate exchange, 702-3
Pyrroline dehydrogenase
CRP protein and, 754
Pyruvate
tryptophanase and, 20
Pyruvic acid
oxidation of, 5
Pyruvoyl enzymes
history of, 21

Q

Q protein
RNA polymerase and, 908-18
Quinidine
P-glycoprotein and, 387

R

R7 photoreceptor cells
receptor tyrosine kinases and, 462
rab4 protein
membrane partitioning during cell division and, 331
rab5 protein
photochemical labeling and, 510
Racemization
transamination and, 15
rac protein
receptor tyrosine kinases and, 462
Radiolysis
amino acid oxidation and, 808-12
raf protein
receptor tyrosine kinases and, 467
Raf-1 kinase
receptor tyrosine kinases and, 460
signal transduction and, 454
raf-1 oncogene
nerve growth factor receptors and, 842, 844
receptor tyrosine kinases and, 466, 470-71, 473
Rap1 protein
nucleocytoplasmic transport and, 225, 238
receptor tyrosine kinases and, 456
RAP30/74
functions of, 172-73
Rapamycin
P-glycoprotein and, 387
ras oncogenes
*MDR*1 promoter and, 401-2
mutations in, 628
nerve growth factor receptors and, 843
ras proteins
receptor tyrosine kinases and, 456, 460-62, 470-71
species comparison of, 856-59
Ras superfamily
function and regulation of
future research on, 883-84
genes, 854, 856-60
introduction to, 852-53
proteins, 861-68
proteins interacting with Ras, 868-77
signalling and, 877-83
systems for *ras* bioassay, 853-54
Rat β/γ factor
functions of, 172-73
Rat δ factor
functions of, 174-75
Rat η factor
functions of, 175
Rat1 protein
nucleocytoplasmic transport and, 245
Raytide peptide
protein tyrosine phosphatases and, 109, 113
Reagent Array Analysis Method (RAAM)
oligosaccharides and, 91
Reagents
RNA structure and, 264-66
Receptor-mediated gene transfer
human gene therapy and, 197-98
Receptor tyrosine kinases
signalling by, 454-75
subfamilies of
Axl receptor tyrosine kinase, 474
Eph-like receptor tyrosine kinases, 474
epidermal growth factor receptor family, 463-64
fibroblast growth factor receptor family, 471-74
hepatocyte growth factor receptor, 468-69
insulin receptor family, 464-66
neurotrophin receptor family, 469-71
PDGF/MCSF-1/steel receptor family, 466-68
vascular endothelial cell growth factor receptor family, 468
Reduction to homozygosity
tumor suppressor genes and, 628, 646
Regulatory factors
mRNA synthesis and, 162
Relayed correlation spectroscopy (RELAY) spectra
oligosaccharides and, 77, 79
Relayed spin-echo difference spectroscopy (RESED)
anionic modifications of monosaccharides and, 94
Remodeling
glycosyl phosphatidylinositol anchor, 133-34
Renal cell carcinoma
human gene therapy and, 194
*MDR*1 RNA and, 401
protein tyrosine phosphatases and, 116
tumor suppressor genes and, 624-25
Renin inhibitors
HIV-1 protease and, 555
Rep1 protein
nucleocytoplasmic transport and, 224
RepA protein
molecular chaperones and, 361
Replication bubbles
initiation zones and, 46-48, 50-52, 54
Replication forks
initiation zone and, 48-49
random segregation of prefork histone octamers and, 31-32
Replication proteins
genetically defined origin and, 33-34
Reserpine
P-glycoprotein and, 387
Resonance chemical shift
nuclear magnetic resonance and, 75
Resonance fine-structure
nuclear magnetic resonance and, 76
Restriction fragment length polymorphisms (RFLPs)
tumor suppressor genes and, 625, 645
Reticulomyxa spp.
cytoplasmic dynein and, 446
Retinoblastoma susceptibility (Rb) gene
and protein, 626-30, 632-35
Retinoic acid
mdr RNA and, 399
Retroviral-mediated gene transfer
human gene therapy and, 208-12
Retroviral vectors
human gene therapy and, 199-201
Reverse splicing
intron mobility and, 604-7
Reverse transcriptase-like proteins
mobile introns and, 599-601
Rev protein
RNA structure and, 263
RGG box
hnRNPs and, 303-4

Rhabdomyosarcoma
*MDR*1 RNA and, 401
nerve growth factor receptors and, 840
Rhizobium leguminosarum
CRP/FNR family and, 784
Rhizobium meliloti
CRP/FNR family and, 784
Rhizopuspepsin
HIV-1 protease and, 573
Rhodamine
multidrug resistance and, 416
P-glycoprotein and, 398
Rhodanese
molecular chaperones and, 360, 366-68, 370-71, 376-78
Rhodopseudomonas palustris
CRP/FNR family and, 784
Rhodopsin gene
eukaryotic DNA replication and, 47, 49
Rhodosporillum rubrum G-9^{+}
B870α light-harvesting polypeptide from, 499
Rho proteins
Ras activity and, 877, 880
receptor tyrosine kinases and, 462
transcript termination and, 904-8
Rh(phen)$_2$phi $^{3+}$
nucleic acid structure determination and, 266
Riboflavin
history of, 3, 5
microbiological assay for, 6
Ribonucleases
deconvoluted electrospray spectrum of, 84
pathways of protein folding and, 656, 658-61, 673
refolding of, 355
RNA structure and, 264-65
unfolding of, 657
Ribose group binding
aminoacyl-tRNA synthetases and, 731
Ribosomal DNA (rDNA)
microbubbles and, 46
Ribosomal proteins
nuclear localization sequences and, 233, 235-36
RNA structure and, 267
Ribosomal RNA (rRNA)
mobile introns and, 592-94, 605, 614
nucleocytoplasmic transport and, 222, 226, 241
secondary structures of, 258
Ribulose biphosphate carboxylase
molecular chaperones and, 366
RIP60 protein
eukaryotic DNA replication and, 50
RNA-binding proteins
transcription and abortive initiation, 897
BglG protein and, 907-8
ColE1 plasmid and, 902
control of transcription termination, 904-24
elongation-termination decision, 899-902
historical perspective on, 893-95
HIV Tat protein and, 919-23
inchworm model of transcript elongation, 897-99
mechanisms for, 895-904
phage λ N and Q proteins and, 908-18
phage HK022 Nun protein and, 918-19
Rho protein and, 904-8
RNA polymerase and, 895-96
transcript arrest and resumption of elongation by transcript cleavage, 902-4
transcription initiation, 896
RNA export mutants
nucleocytoplasmic transport and, 243-45
RNA polymerase
capture of paused, 905
CRP protein and, 752, 759-60, 765-75, 777-78, 780-82, 786-88
elongation-termination decision and, 896
initiation complex and, 43
molecular chaperones and, 362
transcription factor facilitation of origin activity and, 38
phage λ N and Q proteins and, 908-18
suppression of pausing and, 916-17
transcription and, 894-24
RNA polymerase II general initiation factors
complete preinitiation complex
ATP-dependent activation of, 180-81
factors in assembly of, 170-76
pathways in assembly of, 176-79
evidence for RNA polymerase II holoenzyme, 179
initial complex, 163, 165
native TATA factor, 166-69
TATA box-binding protein, 165-66
TFIIA, 169-70
perspectives and summary, 161-62, 163
RNA polymerase II C-terminal domain
phosphorylation of, 183-84
in transcription initiation, 181-83
working model for active preinitiation complex assembly, 163-64
RNA polymerase II holoenzyme
evidence for, 179
RNase MRP
eukaryotic origins of replication and, 34, 38
RNase P RNAs
secondary structures of, 258-59
RNA structure
chemical and enzymatic reactivity
footprinting, 267-68
reagents, 264-66
secondary and tertiary structure, 266-67
gel electrophoresis and, 268
introduction to, 256-58
nuclear magnetic resonance and, 268-75
optical spectroscopy and absorbance, 260-63
circular dichroism, 263
fluorescence, 263-64
phylogenetic and mutational analysis
artificial phylogeny, 259-60
functional group mutations, 260
natural sequence variability, 258-59
random mutations and specific selection, 260
structure prediction and modelling, 277-78
secondary structure prediction, 278-79
tertiary structure prediction and modelling, 279-81
torsion angles and, 256-57
X-ray diffraction and, 275-77
RNP motif
hnRNPs and, 300-3
Ro-31-8588 peptidomimetic inhibitor
crystal structure of, 568
HIV-1 protease and, 547, 557, 562-65, 566, 579
torsion angle of, 550, 571
Ro-31-8959 peptidomimetic inhibitor
HIV-1 protease and, 557, 569-70
Rossman dinucleotide-binding fold
aminoacyl-tRNA synthetases and, 723-26
Rotating-frame Overhauser effect spectroscopy (ROESY)
linkage analysis and, 77-78
Rough endoplasmic reticulum (RER)
membrane partitioning during cell division and, 325-27
Rous sarcoma virus (RSV)
v-src oncogene and, 101
Rous sarcoma virus (RSV) protease
HIV-1 protease and, 545-46, 548-49, 554-55, 573
RPTPase β domain
protein tyrosine phosphatases and, 109
rsk kinase
Ras activity and, 882

Rubisco
molecular chaperones and, 364-65, 369

S

S6 kinases
nerve growth factor receptors and, 842-44
protein tyrosine phosphatases and, 115
Ras activity and, 882
receptor tyrosine kinases and, 470-71, 473
s32
bacterial
molecular chaperones and, 363
Saccharides
protein glycosylation and, 66
Saccharomyces capensis
mobile introns and, 593, 595-96
Saccharomyces cerevisiae
adenylyl cyclase and, 871, 881
aminoacyl-tRNA synthetases in, 723
autonomously replicating sequence and, 32, 35, 50
CDC25 gene and, 874
genetically defined origin and, 32
glycosyl phosphatidylinositol anchors and, 124, 134
heat-shock proteins and, 351-53
Ira proteins and, 869-70, 872
kinesin-like proteins and, 434-35, 447
membrane partitioning during cell division and, 342-43
mobile introns and, 590, 592-96, 598-600, 606-7, 615-16
molecular chaperones and, 372
nucleocytoplasmic transport and
introduction to, 219
in vitro studies of nuclear transport with yeast, 237-39
in vivo studies of nuclear transport, 241-45
nuclear envelope behavior during mitosis, 227-28
nuclear localization sequences, 232-37
nuclear pore complexes, 228-32
nuclear protein localization mutants, 241-43
nuclear protein uptake regulation and, 245-48
protein entry into nucleus, 220-22
RNA export from nucleus, 222
RNA export mutants, 243-45
yeast nucleus structure, 222-26
yeast proteins that bind nuclear localization sequences, 239-41
ras genes and, 854, 863
YVH1 protein and, 107
Saccharomyces douglassi
mobile introns and, 593
Saccharomyces norbensis
mobile introns and, 593
Salmonella typhimurium
cya promoter and, 781
FNR protein and, 783
pepT promoter and, 786
Salt bridges
protein stability and, 147, 149-50
Sarcomas
MDR1 RNA and, 401
nerve growth factor receptors and, 840
tumor suppressor genes and, 638-39, 643
SC35 splicing factor
hnRNPs and, 306
Scatter factor
receptor tyrosine kinases and, 468
Scenedesmus obliquus
mobile introns and, 600
Schizosaccharomyces pombe
gap1 and, 869-70
genetically defined origin and, 32
kinesin-like proteins and, 434-35
membrane partitioning during cell division and, 342
mobile introns and, 594, 600, 607, 616
protein tyrosine phosphatases and, 107
Schwann cells
NF1 gene and, 873-74
Schwannoma
nerve growth factor receptors and, 839-41
Schwannoma-derived growth factor (SDGF)
membrane-anchored growth factors and, 521
Scrapie prion protein
glycosyl phosphatidylinositol anchors and, 122, 128
SDC25 protein
NF1 gene and, 875, 877
receptor tyrosine kinases and, 462
SDS-polyacrylamide gel electrophoresis
fractionation of oligosaccharide mixtures and, 73
photochemical labeling and, 496
Sea urchin
replication and, 53
simple genomes and, 47
Sec63 protein
nucleocytoplasmic transport and, 243
Sec63p protein
molecular chaperones and, 361-62
SecB protein
molecular chaperones and, 359
Secondary ion analysis
oligosaccharides and, 74
Second messengers
nerve growth factor receptors and, 838
Secretory granules
membrane partitioning during cell division and, 329
Secretory vesicles
glycosyl phosphatidylinositol anchors and, 122
SELEX method
RNA structure and, 260
sem-5 gene
Ras activity and, 880
receptor tyrosine kinases and, 459, 462
Serine
aminoacyl-tRNA synthetases and, 717
CRP protein and, 761, 782, 784-86
deamination of, 15-16
glycosyl phosphatidylinositol anchors and, 127
histidine decarboxylase and, 23
HIV-1 protease and, 548, 555, 564-65
hnRNPs and, 298
multidrug resistance and, 404-5
nerve growth factor receptors and, 829-30, 842-43
nucleocytoplasmic transport and, 231
phosphorylation and, 101
photochemical labeling and, 505
protein glycosylation and, 66-68
protein stability and, 141, 151, 155, 157-58
protein tyrosine phosphatases and, 109, 111
Ras proteins and, 879
receptor tyrosine kinases and, 466, 470-71, 473
transamination and, 15
tryptophanase and, 20
tumor suppressor genes and, 636
Serine/threonine kinases
molecular chaperones and, 361
protein tyrosine phosphatases and, 114
Serotonin
membrane partitioning during cell division and, 333
Serpins
pathways of protein folding and, 676
Sertoli cells
nerve growth factor receptors and, 839
Seryl-tRNA synthetase
structure of, 722
Sevenless gene product
receptor tyrosine kinases and, 456

Severe combined immunodeficiency (SCID)
human gene therapy and, 193-95
Sf9 cells
P-glycoprotein and, 411, 414
SH2 domains
nerve growth factor receptors and, 842
protein tyrosine phosphatases and, 103-4, 109, 112-13, 116
Ras activity and, 870-71, 880
receptor tyrosine kinases and, 456-59, 462, 464, 466, 468, 473
SH3 domains
protein tyrosine phosphatases and, 116
Ras activity and, 870-71, 880
receptor tyrosine kinases and, 456, 459, 462
SHC protein
receptor tyrosine kinases and, 459, 464
SHP/HCP
biological role of, 114
tyrosine dephosphorylation and, 103
Shuttle mechanism
non-enzymatic transamination and, 18
nucleocytoplasmic transport and, 242
Sialic acids
analysis of, 92-93
glycosyl phosphatidylinositol anchors and, 124
nuclear magnetic resonance and, 75
protein glycosylation and, 72
α-D-Sialidase
oligosaccharide structural analysis and, 88
Sickle cell anemia
human gene therapy and, 193
Signal recognition particle (SRP)
photochemical labeling and, 507
Signal transduction
membrane partitioning during cell division and, 333
molecular chaperones and, 374
neurotrophin receptors and, 824-25, 838, 843-44
protein tyrosine phosphatases and, 105, 109, 115-16
receptor tyrosine kinases and, 454-75
Silica gel thin-layer chromatography
photochemical labeling and, 498
Simian virus 40 (SV40)
auxiliary components and, 37-38
DNA unwinding element and, 33, 35-37
human gene therapy and, 199
origin of bidirectional replication and, 31, 33, 44
origin recognition element and, 33-34, 44
T antigen
hnRNP proteins and, 307
nucleocytoplasmic transport and, 237-40, 242
tumor suppressor genes and, 629-34, 642
TATA box-binding protein and, 165
transcription factor facilitation of origin activity and, 38-43
Simple genomes
characterization of, 30
origins of DNA replication in, 31-44
Sinapinic acid
matrix-assisted laser desorption and, 82
Sinapus alba
mobile introns and, 600
Single stranded regions
RNA structure and, 257
Sir4 protein
nucleocytoplasmic transport and, 224
Sis1 protein
molecular chaperones and, 361
nucleocytoplasmic transport and, 225
Site-directed mutagenesis
glycosyl phosphatidylinositol anchors and, 127
photochemical labeling and, 505
protein stability and, 139-58
Site-selected complex
formation of, 176-78
RNA polymerase II, 163
Site-specific photocrosslinking
photo-activatable proteins through modification of reactive amino acid residues, 505-6
site-directed biosynthetic incorporation of photo-activatable amino acids into proteins, 506-9
synthetic peptides and, 503-5
SKB-V peptidomimetic inhibitor of HIV-1 protease/inhibitor complexes, 557
SKF-107457
crystal form of, 548
Ski3 protein
nuclear localization sequences and, 233
Slime mold
simple genomes and, 30, 32, 47
Small-cell lung carcinoma
tumor suppressor genes and, 625, 632-33, 638
Small nuclear ribonucleoproteins (snRNPs)
nucleocytoplasmic transport and, 221-22
secondary RNA structures and, 258
Small pox
VH1-related genes and, 106
*smg*p21GDS
Ras activity and, 876
Smgs
receptor tyrosine kinases and, 462
Snf6 protein
nuclear localization sequences and, 233
snRNA
mobile introns and, 591, 611
Sodium
electrospray mass spectroscopy and, 85
Sodium borodeuteride
fast atom bombardment and, 81
Sodium butyrate
mdr RNA and, 399
multidrug resistance and, 409
Solvent burial
water molecules and, 146
Somatostatin
protein tyrosine phosphatases and, 116
Son of sevenless (SOS) protein
Ras activity and, 874-75, 877
receptor tyrosine kinases and, 456, 462
Sorcin
multidrug resistance and, 414
Sp1 protein
activation of eukaryotic origins of replication and, 34, 41
Speckles
snRNPs and, 306
Spectrin
photochemical labeling and, 495
Spermatogenesis
nerve growth factor receptors and, 839
Spermidine
activity of, 13
Spermine
activity of, 13
protein tyrosine phosphatases and, 111
Sphingomyelin
membrane partitioning during cell division and, 332
multidrug resistance and, 414
Spinach
folic acid and, 8
Spindle pole body
nucleocytoplasmic transport and, 227-28
spitz gene
membrane-anchored growth factors and, 523-24
Spleen
protein tyrosine phosphatases and, 115
Spliceosome
mobile introns and, 611
src oncogene
nerve growth factor receptors and, 844
receptor tyrosine kinases and, 471

SRV2 protein
Ras activity and, 881
SSA gene
molecular chaperones and, 359
Ssap1 protein
molecular chaperones and, 378
Ssb1 protein
nucleocytoplasmic transport and, 226
Ssc1p protein
molecular chaperones and, 362
Staphylococcal nuclease
pathways of protein folding and, 355, 656, 658, 660, 663, 670-71
Staphylococcus aureus
nicotinic acid and, 5
Staphylococcus aureus V8 protease
protein glycosylation and, 70
Statine-containing inhibitors
HIV-1 protease and, 550, 556, 561-62, 564, 572-73
STE6 gene
*MDR*1 genes and, 392, 394-95, 405
receptor tyrosine kinases and, 462
Ste12 protein
nucleocytoplasmic transport and, 238
Stearate
glycosyl phosphatidylinositol anchors and, 133-34
Stearoyl-2-*lyso* glycerol
glycosyl phosphatidylinositol anchors and, 124
steel factor
membrane-anchored growth factors and, 525
receptor tyrosine kinases and, 468
Stem cell factor
membrane-anchored growth factors and, 525
STEP cytosolic phosphatase
neuronal specificity and, 114
Steroids
multidrug resistance and, 398, 412
P-glycoprotein and, 387
Sterols
multidrug resistance and, 414
Stomach carcinoma
tumor suppressor genes and, 638
Strand separation model
for replication of metazoan chromosomes, 50-51
Strepogenin
bacterial growth and, 14
Streptococci
oxidation of pyruvic acid by, 5
Streptococcus faecalis R.
folic acid and, 7-8
pyridoxine and, 8, 11
Streptococcus pneumoniae
O-glycosidase and, 72
Streptomyces griseus
Endo H and, 69
Streptomyces plicatus
Endo H and, 69
Stress proteins
hsp60 chaperones as, 371
Strongylocentrotus purpuratus
kinesins and, 435
Structural reporter groups
nuclear magnetic resonance and, 75
Subtilisin
CRP protein and, 758
intramolecular chaperoning and, 356
pathways of protein folding and, 675
Sucrase-isomaltase
photochemical labeling and, 494-95
Sugar pucker
RNA structure and, 256, 271
Suicide gene
HIV-inducible, 197
Sulfates
fast atom bombardment and, 81
Sulfolobus shibatae
molecular chaperones and, 372
Sulfolobus spp.
heat-shock proteins and, 352
SW620 colon cancer cells
multidrug resistance and, 409
Swi5 protein
nucleocytoplasmic transport and, 233, 238, 245-46
SY5Y cells
nerve growth factor receptors and, 840
Synapsin I
receptor tyrosine kinases and, 470
Synechococcus spp.
CRP/FNR family and, 784
Synovial sarcoma
nerve growth factor receptors and, 840

T

T4 lysozyme
pathways of protein folding and, 663, 669-70
protein stability and, 140-58
T-ag transcription factor
activation of eukaryotic origins of replication and, 34, 36, 38, 40-42, 44
Tail spike protein
phage P22, 675
Talin
protein tyrosine phosphatases and, 104
Tamoxifen
P-glycoprotein and, 387
Target site-selective activation reagents for, 489-90
TATA box-binding protein
promoters and, 165-66
species specificity and, 166
structure and properties of, 166
TATA factor
native
promoters and, 168-69
structure of, 166-68
Tat protein
transcription and, 919-23
Taxol
multidrug resistance and, 396
P-glycoprotein and, 387
T-cells
CD45 protein and, 108
protein tyrosine phosphatases and, 103, 113-15
T-complex polypeptide 1 (TCP1) protein
as hetero-oligomeric ring complex, 372-73, 378
synopsis of, 352-53
TdcA protein
CRP protein and, 779
TdcR protein
CRP protein and, 779
Temperature studies
pathways of protein folding and, 670-71
Terfenadine
P-glycoprotein and, 387
Terminal differentiation
tumor suppressor genes and, 642
Testis
P-glycoprotein and, 399
Tethering factors
native TATA factor and, 168
Tetrahydrofolate
pantothenate and, 17
Tetrahymena geleii
essential growth factor for, 4
Tetrahymena spp.
hsp60 and, 364
simple genomes and, 30, 37
Tetrahymena thermophila
group I intron and, 259-60, 262, 264, 267
mobile introns and, 605, 615
Tetraphenylphosphonium
P-glycoprotein and, 387
TF-55 component
molecular chaperones and, 372
TFPAM-3
chemical structure of, 505
photochemical labeling and, 505, 509
Thalassemia
human gene therapy and, 193, 195
Thermally unfolded proteins
pathways of protein folding and, 655-56
Thermococcus litoralis
mobile introns and, 599
Thermodynamics
DNA unwinding element and, 35-36
protein stability and, 146-47, 150
RNA structure and, 256-81
T4 lysozyme and, 141
termination and, 899-900

Thermus thermophilus
aminoacyl-tRNA synthetases in, 722
Theta solvents
protein folding and, 655
Thiamine
lactic acid bacteria and, 14
Thiazolinones
photochemical labeling and, 497
Thin-layer chromatography
photochemical labeling and, 498
Thioglycerol
fast atom bombardment and, 81-82
Thiol-reducing reagents
protein tyrosine phosphatases and, 110
Thiophosphate enzyme intermediate
protein tyrosine phosphatases and, 111
Thioredoxin
DNA polymerase and, 689
Threonine
aminoacyl-tRNA synthetases and, 717, 742
CRP protein and, 760-61, 773-74, 779
HIV-1 protease and, 545-46, 548, 550, 564
hnRNPs and, 298
nerve growth factor receptors and, 829, 842-43
oxidation of, 813
phosphorylation and, 101
photochemical labeling and, 499, 501
protein glycosylation and, 66, 68
protein stability and, 141, 151-55, 157-58
Ras proteins and, 865-66
receptor tyrosine kinases and, 466, 470-71, 473
transamination and, 15
Through bond
monosaccharides and, 77
Thymine
folic acid and, 8
Thy-1 antigen
glycosyl phosphatidylinositol anchors and, 122-23, 125, 128, 134
Thymus
protein tyrosine phosphatases and, 115
TIBO derivatives
for AIDS, 709-10
Tioperidone
P-glycoprotein and, 387
Tirilazad
P-glycoprotein and, 387
Topoisomerase II
multidrug resistance and, 389
nucleocytoplasmic transport and, 225
Topology
of membrane proteins, 493, 501
Topotecan
P-glycoprotein and, 387
Torpedo marmorata
acetylcholinesterase and, 128, 134
Torsion angles
RNA structure and, 256-57
torso gene product
receptor tyrosine kinases and, 456, 459
N-Tosyl-L-phenylalanine chloromethyl ether (TPCK)
protein glycosylation and, 70
Total correlation spectroscopy
oligosaccharides and, 77-79
RNA structure and, 271, 274
Toxic peptides
P-glycoprotein and, 387
TPA
P-glycoprotein and, 408-9
Ras activity and, 878-79, 882
Transamidation
glycosyl phosphatidylinositol anchors and, 126, 129
Transamination
history of, 18, 20
vitamin B6 and, 9-10, 14-15
Transcript elongation
RNA-binding proteins and, 897-99
Transcription factors
activation of eukaryotic origins of replication and, 34
interferon α signalling pathway and, 105, 115-16
origin activity and, 38-44
Transcription termination
RNA-binding proteins and, 893-24
trans-dominant mutation
tumor suppressor genes and, 640-42
Transferases
glycosyl phosphatidylinositol anchors and, 130, 134
Transferrin
membrane partitioning during cell division and, 331
receptor-mediated gene transfer and, 198
Transfer RNA (tRNA)
mobile introns and, 590-94, 605, 609, 611, 614
nucleocytoplasmic transport and, 222
photochemical labeling and, 506-8, 510
secondary structures of, 258
Transforming growth factor α (TGF-α)
membrane-anchored growth factors and, 520-21
receptor tyrosine kinases and, 456, 463
Transforming growth factor β1 (TGF-β1)
intramolecular chaperoning and, 356
Transmembrane domains
receptor tyrosine kinases and, 455
Transmembrane polypeptide
protein glycosylation and, 67
TRiC protein
as hetero-oligomeric ring complex, 372-73
synopsis of, 352-53
3-Trifluoromethyl-3-aryldiazirines
photochemical labeling and, 487-89, 491
4-(Trifluoromethyldiazirinyl)benzoic acid
photochemical labeling and, 510
4′-(Trifluoromethyl-diazirinyl)-phenylalanine
chemical structure of, 504
photochemical labeling and, 503-4, 508
3-Trifluoromethyl-3-phenyldiazirine
photolysis scheme of, 488
3,3,3-Trifluoro-2-propionyl functionality
photochemical labeling and, 489
Trimethylsilyl (TMS) derivatives
gas-liquid chromatography and, 79
oligosaccharides and, 79-80
Tripolyphosphate
microtubule-associated motors and, 436
Triskelions
clathrin, 329
Triticum aestivum
mobile introns and, 600
TrkA receptor
nerve growth factor and, 824, 827, 831-36
trk series genes
receptor tyrosine kinases and, 469
tRNA methyltransferase
nuclear localization sequences and, 233
Troponin C
HIV-1 protease and, 554
photochemical labeling and, 495
Trypanosoma brucei
glycosyl phosphatidylinositol anchors and, 123
procyclic acidic repetitive protein and, 124-28
variant surface glycoprotein and, 122-28
Trypanosoma cruzei
1G7 surface antigen and, 123, 125
heat-shock proteins and, 353
lipopeptidophosphoglycan and, 122
Trypsin
CRP protein and, 758

nerve growth factor receptors and, 833
protein glycosylation and, 70
Tryptophan
aminoacyl-tRNA synthetases and, 717
CRP protein and, 758
molecular chaperones and, 368
oxidation of, 800, 802, 805, 810-11, 814, 818
pantothenic acid and, 5
pathways of protein folding and, 657, 665-66
photochemical labeling and, 490, 501
tryptophanase and, 20
Tryptophan aporepressor
pathways of protein folding and, 662-63, 672
Tryptophan synthase
pathways of protein folding and, 657, 660, 662, 668, 670, 675
Tryptophan synthetase
structure of, 20-21
Tryptophanase
history of, 20-21
tsxP2 promoter
CRP protein and, 780, 783
TTPase
membrane partitioning during cell division and, 327
Tubulins
membrane partitioning during cell division and, 336
microtubule-associated motors and, 430, 432, 437
molecular chaperones and, 373
nucleocytoplasmic transport and, 227
phosphorylation of, 104
Tumor-infiltrating lymphocytes (TILs)
marking of
human gene therapy and, 203-4
Tumor necrosis factor (TNF)
$p75^{LNGFR}$ and, 469
Tumor necrosis factor α (TNF-α)
membrane-anchored growth factors and, 525-26
Tumor suppressor genes
adenomatous polyposis coli gene and protein, 629, 646
DCC gene and protein, 629, 646-47
DNA tumor virus oncogenes and, 629-32
neurofibromatosis-1 gene and protein, 629, 645-46
origins of concept of, 623-27
p53 gene and protein, 629-32, 636-43
p107 Rb-related protein, 635
properties of, 627-29
protein tyrosine phosphatases, 116
retinoblastoma susceptibility gene and protein, 626-30, 632-35
Wilms' tumor gene and protein, 629, 644-45
Tween
P-glycoprotein and, 387
multidrug resistance and, 412
Twintrons
intron mobility and, 607
Tyrosine
aminoacyl-tRNA synthetases and, 717, 729-33, 740
dephosphorylation and, 102-17
HIV-1 protease and, 554-55, 558
nerve growth factor receptors and, 841-43
oxidation of, 800, 810-11, 813-14, 817-18
phosphorylation and, 101
photochemical labeling and, 501
protein stability and, 141, 145-46
Tyrosine hydroxylase
receptor tyrosine kinases and, 470
Tyrosine kinases
neurotrophin receptors and, 824-27, 831-43
Ras activity and, 878-79
signal transduction and, 454-75
Tyrosyl-adenylate
aminoacyl-tRNA synthetases and, 732, 734
Tyrosyl-tRNA synthetases
mobile introns and, 590, 605

U

U1 protein
hnRNP complexes and, 293
U2AF splicing factor
hnRNPs and, 306
U-75875 peptidomimetic inhibitor
crystal structure of, 551, 553
HIV-1 protease and, 552, 557, 562-64, 569
torsion angle of, 550, 571
U-85548e peptidomimetic inhibitor
crystal structure of, 553, 567
HIV-1 protease and, 552, 557, 562-66, 569-70, 580
torsion angle of, 549-50, 571
UDP-*N*-acetylglucosamine
glycosyl phosphatidylinositol anchors and, 129-30, 132-33
UhpA protein
CRP protein and, 779
uhpT promoter
CRP protein and, 773, 779
UL series proteins
activation of eukaryotic origins of replication and, 34
Ultraviolet (UV) absorbance
matrix-assisted laser desorption and, 82
RNA structure and, 260-63, 267
Ultraviolet (UV) irradiation
p53 protein and, 642
unc-104 protein
properties of, 435
Unidirectional bubble model
for replication of metazoan chromosomes, 51-52
U protein
hnRNP complexes and, 292, 294
mRNA biogenesis and, 296-97
Upstream promoter elements
mRNA synthesis and, 161
Uracil
lactic acid bacteria and, 7
Uranyl acetate
nucleic acid structure determination and, 266
Urea
pathways of protein folding and, 655-58

V

V8 protease
CRP protein and, 758
Vaccinia virus
growth factor
membrane-anchored growth factors and, 524
human gene therapy and, 199
protein tyrosine phosphatases and, 105-107
Vacuoles
membrane partitioning during cell division and, 342-43
Valine
aminoacyl-tRNA synthetases and, 717
CRP protein and, 774, 782, 784-86
HIV-1 protease and, 550, 553, 555, 562-64, 567-68, 573, 580
membrane growth factor cleavage and, 536-37
pathways of protein folding and, 657, 669
P-glycoprotein and, 404
photochemical labeling and, 498
protein stability and, 141, 143, 145, 158
protein tyrosine phosphatases and, 112
Ras proteins and, 866, 881
Valinomycin
multidrug resistance and, 416
P-glycoprotein and, 387
Vanadate
microtubule-associated motors and, 437, 443-45
multidrug resistance and, 410-12
protein tyrosine phosphatases and, 116
Variable site-occupancy
protein glycosylation and, 67

Variant surface glycoprotein
phosphatidylinositol-specific phospholipase C and, 122-28, 131, 133
Varkud plasmid
mobile introns and, 608-10, 617
Vascular endothelial cell growth factor (VEGF)
receptor family
receptor tyrosine kinases and, 468
Vav protein
Ras activity and, 874, 876
receptor tyrosine kinases and, 459, 462
Verapamil
multidrug resistance and, 398, 407-8, 410, 412-13
P-glycoprotein and, 387
Vesicles
kinesin heavy chain and, 441
membrane partitioning during cell division and, 323-25, 327-29, 334-37, 340, 342-44
microtubule-associated motors and, 442
molecular chaperones and, 361
multidrug resistance and, 412, 414, 418
P-glycoprotein and, 411-12
Vesicular stomatitis virus (VSV)
G protein
membrane partitioning during cell division and, 331, 333
VH1 protein
protein tyrosine phosphatases and, 105-7
Vicia faba
mobile introns and, 600
Vimentin
HIV-1 protease and, 554
Vimentin-like protein
membrane partitioning during cell division and, 342
Vinblastine
multidrug resistance and, 404-5, 407-8, 410-11, 413
P-glycoprotein and, 387
Vinca alkaloids
multidrug resistance and, 404-5, 410-11, 413
P-glycoprotein and, 387
Vincristine
multidrug resistance and, 404, 410
Viral vectors
human gene therapy and, 199-202
Viroids
mobile introns and, 608
Viruses
simple genomes and, 30
Virusoids
mobile introns and, 608
Vitamin B6
degradation of, 18-19
functions of
D-alanine synthesis, 10
L-amino acid synthesis, 10
transamination, 9-10, 14-15
history of, 7-12, 14-24
Vitamin B12
lactic acid bacteria and, 14
Vitamin B_c
folic acid and, 8
Vitamins
bacterial growth factors and, 5
history of, 3
microbiological assay for, 6
VS plasmid
mobile introns and, 610, 617
v-src oncogene
tyrosine kinase activity and, 101-4, 109, 113-6

W

Watanabe heritable hyperlipidemic (WHHL) rabbit
gene transfer and, 210
Water
hydrophobic cavities and, 146
tryptophanase and, 20
wee1 gene
protein tyrosine phosphatases and, 108
Wilms' tumor (WT-1) gene and protein, 624-25, 629, 644-45

X

Xanthomonas campestris
CRP/FNR family and, 784
Xenon
fast atom bombardment and, 81
Xenopus laevis
fibroblast growth factors and, 471, 473, 475
hnRNPs and, 295-96
initiation of replication and, 53, 55, 57
kinesin-like proteins and, 434-35, 447
membrane partitioning during cell division and, 324, 326-27, 331-34, 337-38, 340
microbubbles and, 46
nerve growth factor receptors and, 833-34, 836
nucleocytoplasmic transport and, 220, 222, 226, 228, 231, 237-39
nucleoplasmin and, 350
p53 gene and, 636
P-glycoprotein and, 393, 395
ras genes and, 853, 864, 866, 868, 871, 882
single-stranded DNA and, 52
XNT-4
nerve growth factor receptors and, 836
X-PLOR program
nuclear magnetic resonance and, 280
X-ray crystallography
aminoacyl-tRNA synthetases and, 716-44
CRP-cAMP complex and, 754-57
histidine decarboxylases and, 24
HIV-1 protease and, 544-82
hnRNPs and, 301
molecular chaperones and, 358, 378-79
p21 and, 867
protein stability and, 146-47, 150, 152
RNA structure and, 275-77
SH2 domains and, 458
solvent molecules and, 146
β-D-Xylosidase
oligosaccharide structural analysis and, 89

Y

Y-1 cells
multidrug resistance and, 409
Y13-259 antibody
Ras activity and, 877
YAC vectors
tumor suppressor genes and, 646
YDJ1 gene
nucleocytoplasmic transport and, 225
Yeast
aminoacyl-tRNA synthetases in, 724
autonomously replicating sequences and, 32, 35
biotin and, 7
DNA unwinding element and, 33, 35
folic acid and, 8
glycosylphosphatidylinositol anchors and, 122, 124, 131, 134
membrane partitioning during cell division and, 342-43
molecular chaperones and, 365, 371-72
multidrug resistance and, 414
nucleocytoplasmic transport and, 219-48
origins of replication and, 33, 55
pantothenic acid and, 5
P-glycoprotein and, 395
polyamines and, 13
protein glycosylation and, 73
protein tyrosine phosphatases and, 106-7
riboflavin and, 5-6
RNA polymerase II and, 162
simple genomes and, 30, 32, 47
TATA box-binding protein and, 166
TFIIB and, 170, 172
tumor suppressor genes and, 641, 645

Yeast factors
functions of, 174-76
Yersinia enterocolitica
protein tyrosine phosphatases and, 105
Yersinia pseudotuberculosis
protein tyrosine phosphatases and, 105
Yersinia spp.
protein tyrosine phosphatases and, 105
*Yop*H gene
protein tyrosine phosphatases and, 105, 109
YVH1 protein
protein tyrosine phosphatases and, 107

Z

Zebra fish
replication and, 53
Zinc fingers
hnRNPs and, 304
mdm-2 protein and, 643
mobile introns and, 601
WT-1 gene and, 644
Zn^{2+}
aminoacyl-tRNA synthetases and, 727-28
protein tyrosine phosphatases and, 112
Zone of exclusion
membrane partitioning during cell division and, 328